

20000210.qrp v01\_n727.qrl.20000210

Date: Thu, 10 Feb 2000 19:03:07 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1727

QRP-L Digest 1727

Topics covered in this issue include:

- 1) [62651] Re: tech. info needed (maybe OT)  
by charles kadesch <chas@digizen.net>
- 2) [62652] PROP: Solar Flux = 199  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 3) [62653] Re: Welding Nicads  
by Tom M <tjmc@erols.com>
- 4) [62654] Help - Need to Unsubscribe for vacation  
by WARDWARDJ@aol.com
- 5) [62655] Re: QRP-L Numbers, query and info  
by "Don Ingram" <ingramde@cyberhighway.net>
- 6) [62656] RCVR: AR-3  
by "Richard Matthews" <prm@hiwaay.net>
- 7) [62657] FOC Information revisited  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 8) [62658] Test -- disregard  
by Ed Loranger <we6w@netzero.net>
- 9) [62659] Re:Connectors  
by Ed Loranger <we6w@netzero.net>
- 10) [62660] Re: SOC Number  
by kb9iua@juno.com
- 11) [62661] Lithium Ion Batteries  
by "Tim Ahrens" <tahrens@hilconet.com>
- 12) [62662] test disregard  
by DAN FOGARD <foga@foothill.net>
- 13) [62663] QRP vintage station  
by K5KW@aol.com
- 14) [62664] Re: SOC Number  
by Nv4t@aol.com
- 15) [62665] [ADMIN] Change of email address  
by "Timothy J. Strong" <kg2no@arrl.net>
- 16) [62666] Dayton Hamvention QRP Motel  
by Hank Kohl K8DD <k8dd@arrl.net>
- 17) [62667] Isotron Antenna  
by N10DL@aol.com
- 18) [62668] RE: Isotron Antenna  
by N10DL@aol.com
- 19) [62669] DIGIPAN

- by DAN FOGARD <foga@foothill.net>
- 20) [62670] Special Fox Announcement  
by Hank Kohl K8DD <k8dd@arrl.net>
- 21) [62671] New Products from Morse Express  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 22) [62672] Cmos III battery responses  
by Dan Presley <talljazz@teleport.com>
- 23) [62673] Isotron URLs...  
by Radman <radman@best.com>
- 24) [62674] Re: OT: spot welding on nicad packs??  
by Dick Carroll <dixie@townsqsr.com>
- 25) [62675] light weight transmission line  
by aweiss@usd.edu (Ade Weiss W0RSP)
- 26) [62676] RE: 2N2222 & substitutes  
by "Juan Jose Pastor Estornell" <juanjope@ctv.es>
- 27) [62677] QRQ Net Practice sentences.  
by Ed Loranger <we6w@netzero.net>
- 28) [62678] Re: SOC Number  
by Bob Patten <n4bp@bc.seflin.org>
- 29) [62679] OT:spotweld, Thanks, guys!  
by Jim/Julia <w7ls@blarg.net>
- 30) [62680] FS: 2-NC20s, NC40A  
by Mont Pierce <km6wt@yahoo.com>
- 31) [62681] 160M RETEST  
by ARDUJENSKI@aol.com
- 32) [62682] K2 expanded test report??  
by Goran Hosinsky <hosinsky@royac.iac.es>
- 33) [62683] OT: license  
by David Heintzleman <pstrdave@kdsi.net>
- 34) [62684] Dayton QRP Hotel stuff . . .  
by Nils R Young <nilsbull@juno.com>
- 35) [62685] Re: SOC Numbers  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 36) [62686] Re: SOC Numbers  
by Bob Patten <n4bp@bc.seflin.org>
- 37) [62687] Re: cmos III battery drain  
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
- 38) [62688] Re: K2 expanded test report??  
by "Ed Hare, W1RFI (w1rfi@arrl.org)" <w1rfi@arrl.net>
- 39) [62689] Printed Circuit Inductor  
by David Shalita <af389@lafn.org>
- 40) [62690] RE: Printed Circuit Inductor  
by Dave Barrett <DBarrett@creo.com>
- 41) [62691] Re: Printed Circuit Inductor  
by Chris Trask <ctrask@primenet.com>
- 42) [62692] Thanks for Info W3EDP ant  
by E L D <wd7y@pyramid.net>
- 43) [62693] CONTEST: QRP Calendar - This Weekend

- by Ken Newman <N2CQ@citnet.com>
- 44) [62694] NA Sprint  
by Monte Stark <ku7y@dri.edu>
- 45) [62695] DSBF Recruiting Brochure  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 46) [62696] OPERATING: Beacons  
by "Diz - WB8QYY" <wb8qyy@one.net>
- 47) [62697] CQ KI6DS, Looking for Doug's E-Mail Address  
by "Kevin F. Glynn" <kfglynn@mindspring.com>
- 48) [62698] Kitano Key  
by Bill Jones <kd7s@psnw.com>
- 49) [62699] J FET pin out  
by "Ken Hanks" <captbfd@yahoo.com>
- 50) [62700] OOPS ;^)--Sorry for Posting Accidentally  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 51) [62701] TEST disregard  
by Howie R R Wilson <wa2ncf@juno.com>
- 52) [62702] WTB 38 Special  
by Casey Ray <clray@usc.edu>
- 53) [62703] Receiver Tests/Dynamic Range-Help  
by "Mark Adams" <k2qo@hotmail.com>
- 54) [62704] ANT: NVI's Dipole - How low can U go?  
by "Sly, 9M8SL" <cqsly@tm.net.my>
- 55) [62705] Pizza Bash for Tim Pettibone tonight!!  
by "Doug Hendricks" <ki6ds@hotmail.com>
- 56) [62706] Toroid "glue" question  
by "Ron White" <rwhite@netins.net>
- 57) [62707] Re: SOC  
by Bob Patten <n4bp@bc.seflin.org>
- 58) [62708] RE: Toroid "glue" question  
by "Mike Besemer (KG8L)" <kg8l@worldnet.att.net>
- 59) [62709] Utah 160-Meter Challenge  
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
- 60) [62710] Re: Digest  
by "Al Gritzmacher " <ae2t@arrl.net>
- 61) [62711] Re: Web Page Software Recommendations?  
by "Al Gritzmacher " <ae2t@arrl.net>
- 62) [62712] Re: Receiver Tests/Dynamic Range-Help  
by Dave Sjolín <sjolin@swbell.net>
- 63) [62713] Re: SOC  
by Chris Cartwright Sr <ccart@phideaux.com>
- 64) [62714] PVC etc. RF Coil building.  
by Ed Loranger <we6w@qsl.net>
- 65) [62715] Re: SOC  
by Bob Patten <n4bp@bc.seflin.org>
- 66) [62716] 6L6's, etc  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 67) [62717] For Sale: Galaxy V

- by "Arnold Braker" <arnold@rogerb.com>
- 68) [62718] Re: PVC etc. RF Coil building.  
by Ed Loranger <we6w@qsl.net>
- 69) [62719] Tim, K5OI - Need E-mail Address!  
by Bob Patten <n4bp@bc.seflin.org>
- 70) [62720] Re: Toroid "glue" question  
by Pete Burbank <plburbank@kih.net>
- 71) [62721] Re: ANT: NVI's Dipole - How low can U go?  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 72) [62722] Re: Toroid "glue" question  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 73) [62723] Isotron antenna  
by N10DL@aol.com
- 74) [62724] Re: Receiver Tests/Dynamic Range-Help  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 75) [62725] RE:SOC  
by Ed Loranger <we6w@qsl.net>
- 76) [62726] Re: Utah 160-Meter Challenge  
by Chris Cartwright Sr <ccart@phideaux.com>
- 77) [62727] RE: SOC  
by "Andreas Junge" <andreas@OpenGrid.com>
- 78) [62728] RE:SOC  
by Bob Patten <n4bp@bc.seflin.org>
- 79) [62729] Off-Center fed antenna dimensions  
by Charles R Greene <cgreene7@juno.com>
- 80) [62730] RE: Web Page Software Recommendations?  
by Dave Barrett <DBarrett@creo.com>
- 81) [62731] FS: DDS VFO's  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 82) [62732] Re: SOC  
by Ed Loranger <we6w@qsl.net>
- 83) [62733] Re: Toroid "glue" question  
by K2UD@aol.com
- 84) [62734] SOC  
by Chris Cartwright Sr <ccart@phideaux.com>
- 85) [62735] FOC/SOC  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 86) [62736] Help: Computer Fan Bearing Repair?  
by "Doug Hendricks" <ki6ds@hotmail.com>
- 87) [62737] OT Toroid "glue" question  
by Dave Barrett <DBarrett@creo.com>
- 88) [62738] Re: SOC  
by Bob Patten <n4bp@bc.seflin.org>
- 89) [62739] looking for headphone information  
by M Goins <mgoins@usa.net>
- 90) [62740] Re: Help: Computer Fan Bearing Repair?  
by "Jay Bromley" <w5jay@alltel.net>
- 91) [62741] Elecraft at Radiofest Monterey CA on 2/19

- by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 92) [62742] Fox notice for tonight!  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 93) [62743] QRP Banquet Info, please  
by "J. Ervin Bates" <w8erv@email.msn.com>
- 94) [62744] QRZ.Com web page  
by Kw4cz@aol.com
- 95) [62745] RE: Help: Computer Fan Bearing Repair?  
by Radman <radman@best.com>
- 96) [62746] Need TT 276 Calibrator/670 Keyer...  
by "Steve Hanson" <ke1lg@qsilver.net>
- 97) [62747] Results of the FEBRUARY SPARTAN SPRINT  
by Russ Carpenter <russ@natworld.com>
- 98) [62748] COMPUTER: only quasi QRP question  
by n5ib@juno.com
- 99) [62749] Re: QRP Banquet Info, please  
by Hank Kohl K8DD <k8dd@arrl.net>
- 100) [62750] FYBO log  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 101) [62751] SOC  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 102) [62752] Ferrite Cores  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>

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Date: Wed, 09 Feb 2000 19:11:51 -0800  
From: charles kadesch <chas@digizen.net>  
To: K4NK@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62651] Re: tech. info needed (maybe OT)  
Message-ID: <38A22C77.6B201DD5@digizen.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Les: Ludwell Sibley's book "Tube Lore" will answer your questions. It is available from Antique Electronic Supply and probably other sources. A great book to have on the shelf for anyone interested in vacuum tubes. "Tube Lore" indicates the 8560 is a UHF tetrode and is a conductive cooled variant of the 7203 which in turn can replace a 4X250B.

72

Charles W3KC

K4NK@aol.com wrote:

>

> Gang;

> I have recently been given a large stock of vacuum tubes. Most of these

> are new. However they are commercial types and have four digit numbers in  
> place of the usual number letter/letter number. I am interested in finding a  
> source of this information. I am most specially looking for the "ham" cross  
> for the tube nr. 8560. It looks just like a 8874 or 8873 and goes in the  
> hi-power motorola vhf base stations. I have several new ones (good for  
> trading for QRP stuff) .  
> One last thing....seriously now...how does one join FOC.  
>  
> 72 Les Shattuck K4NK

-----  
Date: Wed, 9 Feb 2000 17:33:50 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-1@lehigh.edu  
Subject: [62652] PROP: Solar Flux = 199  
Message-ID: <Pine.SUN.4.10.10002091719210.29085-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,  
Solar flux was coming out of a dismal doldrums on Saturday for FYB0,  
but has rapidly climbed to 199 today (Wednesday). It will remain  
around the 200 levels for several days, meaning good DX openings on  
10 and 15M.

10M should be open in most areas during daylight hours, and as usual,  
will die pretty much right around local sundown. Realize that means  
YOUR signal will propagate east and west until it hits local sundown,  
where your signals get absorbed to nothing. For example, right now in  
New Mexico, we're about an hour from sundown. My 10M signals will  
travel eastward only until it reaches the earth's nighttime terminator,  
right now in eastern Texas through the Dakota's. Westward, my signals  
will travel easily, where it is daylight in Japan, eastern Asia,  
Australia, etc. But once the sun goes down over YOUR head, 10M comes to  
a halt (there's always those rare exceptions, but generally, it's dead  
by dark).

15M operates in a similar fashion, except because 21 MHz is below the  
MUF until several hours after sundown, 15M tends to stay open well into  
the dark hours. As a GENERAL rule, the higher the solar flux, the  
higher the maximum usable frequency (MUF) and the longer 15M will stay  
open after dark. Like 10M, around or after sundown, signals will favor  
propagating in a westward direction towards sunlight (higher ionization)  
rather than traveling eastward.

With a solar flux hovering around 200 right now, the higher bands are

open and for working QRP DX. This does not imply it will necessarily be recognized by the ARRL, however :-(

Lingering effects of that dern coronal hole is keeping our magnetic field a bit active, but nothing out of the ordinary. A-indexes between 5 and 10 are forecasted for the next 3 days.

Get on the air and try out those upper bands and have some fun.

72, Paul NA5N

-----  
Date: Wed, 09 Feb 2000 19:46:43 -0500  
From: Tom M <tjmc@erols.com>  
To: wb5rue@stic.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [62653] Re: Welding Nicads  
Message-ID: <38A20A73.86ECE5F1@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> What I have done in the past  
> is carefully file through the chrome or nickel plating on the end of the  
> battery down to the brass or copper. Then, using a VERY HOT soldering  
> iron, get a bead of solder to stick.

This is what I do also... It's a matter of taking a few strokes with a file to the tab.

I solder the tab with a 250w iron after crimping it... do it fast and cool it quickly.

Tom aa2vk

-----  
Date: Wed, 9 Feb 2000 20:16:19 EST  
From: WARDWARDJ@aol.com  
To: qrp-l@lehigh.edu  
Subject: [62654] Help - Need to Unsubscribe for vacation  
Message-ID: <d0.1e1684f.25d36b63@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Help guys. I've really enjoyed the list for the past month or so, but I'm going on vacation next week and would like to UNSUBSCRIBE for the next week or so. How do I do that?

Thanks Jack W

-----  
Date: Wed, 9 Feb 2000 18:12:53 -0700  
From: "Don Ingram" <ingramde@cyberhighway.net>  
To: <lujce@Lehigh.EDU>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62655] Re: QRP-L Numbers, query and info  
Message-ID: <004001bf7364\$473bf9e0\$d308a1d1@customer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Jim,  
I saw the posting on the QRP-l today and need to have my call sign updated.  
I am the ex KB7UKP. My new call is KK7VM. I have the same address and etc.  
I think my number is 1374.

Don Ingam ,KK7VM, QRP-l #1374 Caldwell, Idaho  
SWL-40,HW-8 <><

-----  
Date: Wed, 9 Feb 2000 19:50:21 -0600  
From: "Richard Matthews" <prm@hiwaay.net>  
To: "q" <qrp-l@Lehigh.edu>  
Subject: [62656] RCVR: AR-3  
Message-ID: <004d01bf7369\$321a2dc0\$6f85150c@scottsboro.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Some of you will remember a few days back that I reported that I had come across an old Heathkit AR-3 receiver and that I was going to get it working again . . . . well tonight she's sitting here working and I'm listening to some SSB QSOs on 160 meters and I'm basking by the glow of some real tubes.. I still have some work to do to it, but basically it looks in pretty good shape.

Several of you had written me about the AR-3 and the memories the mention of it brought back, well sitting in front of one working, takes me back about



40 years to about 1960.

Now my next effort will be to try to get it good enough to make a CW contact with the TT2 and receiving with the AR-3. A transmitter in a tuna can and a receiver in a fabric covered wooden box, how can it get better than that?

Now let's see, what does it mean when a receiver like this motorboats when you turn the volume down?

73

Richard, WA4NWW,  
SOC member #9

-----  
Date: Wed, 09 Feb 2000 17:34:04 -0900  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: K4NK@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62657] FOC Information revisited  
Message-ID: <38A2239C.E6C13526@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

K4NK@aol.com wrote:

> One last thing....seriously now...how does one join FOC.

=====

Subject: Re: FOC  
Date: Sat, 5 Feb 2000 12:54:41 +0100  
From: St phane Collas <scollas@club-confair.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Dr John,

FOC means First Operator Class

This contest you will hear all along the week-end is the Marathon.

Contacts are only between members.

You can find all the informations at <http://members.aol.com/focuk/>

73's de Steph, F5NZY.

=====

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>  
Anchorage, Alaska <mailto:al7fs@qsl.net>  
ICQ 11022915 (ICQ info at <http://www.icq.com/> )

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Date: Wed, 09 Feb 2000 18:40:18 -0800  
From: Ed Loranger <[we6w@netzero.net](mailto:we6w@netzero.net)>  
To: Low Power Amateru Radio Discussion <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [62658] Test -- disregard  
Message-ID: <38A22512.9ACDE0F8@netzero.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Testing new email server. No netzero banner....

<mailto:we6w@qsl.net>  
<mailto:we6w@netzero.net>  
<mailto:we6w@freewwwweb.com>

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Wed, 09 Feb 2000 18:48:10 -0800  
From: Ed Loranger <[we6w@netzero.net](mailto:we6w@netzero.net)>  
To: Low Power Amateru Radio Discussion <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [62659] Re:Connectors  
Message-ID: <38A226EA.7AC99739@netzero.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Oh, someone asked about .141 semirigid. My statement is that I liked it as a coax. Not that I use it as a feedline to my antenna. Uses of semi-rigid are anywhere you need a very high-quality, low leakage signal path. I have some here right now beside me that will replace RF bleeding paths inside the Argonaut 509 (remember that

thread a couple weeks ago...?)

I use coax where loss is not the issue, but isolation and stability is, such as measurements.

A clarification. 72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

-----  
Date: Wed, 09 Feb 2000 21:55:26 EST  
From: kb9iua@juno.com  
To: qrp-l@lehigh.edu  
Subject: [62660] Re: SOC Number  
Message-ID: <20000209.205017.5367.2.kb9iua@juno.com>

I've just sent my private request to Bob for an SOC number. I like the idea.

Now a good friend of mine here in town is in fact a member of FOC, and has even started a regional chapter club for folks in the U.S. Midwest who are members. I believe he got the vanity call W9FOC just for that club. I doubt having him as a friend gives me an inside track, however :-(.

Realize, if any of us should find themselves later asked to join FOC, you'll either have to decline or relinquish your SOC number to the dust bin <GRIN>.

Now what is a microphone? Cheers/73.

Kevin, KB9IUA

\*\*\*\*\*  
Kevin Anderson, KB9IUA, Rock Island IL 61201-2223  
e-mail: KB9IUA@juno.com      Opinions all my own.  
\*\*\*\*\*

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Wed, 9 Feb 2000 21:01:44 -0800  
From: "Tim Ahrens" <tahrens@hilconet.com>  
To: <qrp-1@lehigh.edu>  
Subject: [62661] Lithium Ion Batteries  
Message-ID: <011401bf7383\$ed8b42a0\$480247cf@timahren>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, since we're on the subject of batteries, here's a different one.

I have a laptop that uses these cells, and one of my 'spare' packs went dead, quite abruptly. (even the test light didn't light up). Anyhow, I took the pack apart, and found 4 sets of cells, with 2 cells in each set paralleled.

My question is can these be slow charged, or do they need the special circuitry to fast charge them? I know they do bad things if improperly charged. I promise I won't solder to the body. <g> (they have solderable straps)

Thanks,

Tim W5FN

-----  
Date: Wed, 09 Feb 2000 19:37:57  
From: DAN FOGARD <foga@foothill.net>  
To: qrp-1@lehigh.edu (owner)  
Subject: [62662] test disregard  
Message-ID: <3.0.6.16.20000209193757.4ea79c32@foothill.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

-----  
Date: Wed, 9 Feb 2000 22:46:46 EST  
From: K5KW@aol.com  
To: qrp-1@lehigh.edu

Subject: [62663] QRP vintage station  
Message-ID: <8a.dc9453.25d38ea6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Folks. A quickie from Meadowlark Aerodrome.

If you want to hear how ham radio really sounded just before, and right after, WWII, listen for WA50ES operating from near Denver, Colorado.

I worked him tonight with my Red Hot 40 on 7040 Khz. Art is running a 6L6 oscillator for a transmitter (yes, it chirps like a canary) and a two tube regenerative receiver using a pair of type 30 tubes. (Fellow old timers will recognize those tubes as among the earlier vacuum tubes.) Art built the thing bread-board style, as was the custom in those days. He's been a ham 35 years, but hankered for a nostalgia station and built one up. Man, it brought back memories.

72,

Don, K5KW

"From Meadowlark Aerodrome on the rippling shores of Lake Eva, in the heart of the Morris-Boynton metroplex of east central Oklahoma, where every day is a sunny day".

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Date: Wed, 9 Feb 2000 22:52:17 EST  
From: Nv4t@aol.com  
To: kb9iua@juno.com, qrp-1@lehigh.edu  
Subject: [62664] Re: SOC Number  
Message-ID: <a2.85118c.25d38ff1@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Golly! Another non-P.C. group I can join (along with N.R.A.) Please tell me how to get a SOC membership!!!

Glowbottles forever!

microphone is a very tiny telephone!

72 and QRP /

I think a

Bill NV4T

-----

Date: Wed, 09 Feb 2000 22:53:23 -0500  
From: "Timothy J. Strong" <kg2no@arrl.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [62665] [ADMIN] Change of email address  
Message-ID: <38A23633.40E50F86@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

How do I go about changing my email address? Do I need to subscribe/  
resubscribe? I need to change it from kg2no@arrl.net to k2cy@arrl.net.  
k2cy@arrl.net is so new, it may not be working yet, so please copy  
kg2no@arrl.net on any replies.

Thanks for any information.

73,

--

-Tim  
k2cy@arrl.net

```
-----  
-----  ____o                K2CY                o____  
-----  \-<,          Timothy J Strong          ,>-/'  
-----  (*)/'(*)        Elecraft K2 #034          (*)'\(*)  
-----                QRP-L #780                --o---o-o-  
-----  Summer ----- Winter -----  
-----
```

Date: Wed, 09 Feb 2000 22:53:00 -0500  
From: Hank Kohl K8DD <k8dd@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [62666] Dayton Hamvention QRP Motel  
Message-ID: <4.1.20000209195313.00c3bde0@192.0.0.6>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The Dayton Hamvention QRP Motel has made a change.  
It is no longer Days Inn Dayton South.  
Check out  
[http://www.ramada.com/ctg/cgi-bin/Ramada/home\\_form\\_redirect/AAAAQdACwAAA](http://www.ramada.com/ctg/cgi-bin/Ramada/home_form_redirect/AAAAQdACwAAA)  
BxBAAA

Completely remodelled and refurbished rooms, meeting

rooms and restaurant.

We will start confirming the rooms next week.

73 Hank K8DD

\*/ Hank Kohl K8DD k8dd@arrl.net  
\*/ ARRL TS <http://www.tir.com/~k8dd>  
\*/ MI-QRP - Vice Pres. QRP-ARCI - Director  
\*/ G-QRP ARRL/LM QCWA/LM QCAO/LM  
\*/  
\*/ Did you know you can email money with PayPal.com?  
\*/ <https://secure.paypal.com/refer/pal=k8dd%40arrl.net>

-----  
Date: Wed, 9 Feb 2000 23:48:49 EST  
From: N10DL@aol.com  
To: qrp-1@lehigh.edu  
Subject: [62667] Isotron Antenna  
Message-ID: <44.18e5d69.25d39d31@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Came home earlier tonight and had a little while to kill, so went to the shack to play with the Isotron antenna to see what I could do about tuning it better. played around with it for a while (even read the book) and found it easier to tune up with the ZM-2 tuner. Got on the air about 5:45 local and called CQ. In 20 minutes I had two more QSO's under my belt. AD4EI, Dell, In KY and Chas in Florida ( K8HBI) Got a 599 from both of them and am now really convinced that this antenna is going to work great for my traveling. Even went to the hardware store today and had a 10 ft. section of PVC cut into 5 sections for a portable mast which I can erect in the hotel room and attach to most anything with bungee cords. That is exactly how it is connected to my bench in the shack at the moment. it is about 6" from the ceiling and heading south. it does seem very directional and I will be testing different directions in the next few days. Am using the antenna with my SST at 2 watts and the ZM-2 ATU.

Again, do not be fooled by what this antenna looks like. Don't know how, but it works.(no connection with the company, just amazed that it works.)

Aron  
N10DL  
Bedford, NH

-----

Date: Thu, 10 Feb 2000 00:00:30 EST  
From: N10DL@aol.com  
To: qrp-l@lehigh.edu  
Subject: [62668] RE: Isotron Antenna  
Message-ID: <16.105b66c.25d39fee@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I am not sure if there is a web site for the antenna, but they do have an ad in the QST magazine.

Aron

-----  
Date: Wed, 09 Feb 2000 21:00:05  
From: DAN FOGARD <foga@foothill.net>  
To: qrp-l@lehigh.EDU (owner)  
Subject: [62669] DIGIPAN  
Message-ID: <3.0.6.16.20000209210005.4f779aa6@foothill.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

FROM SOME REASON I GET ONLY A SINGLE COLORED LINE AT THE TOP OF THE RX WINDOW...DOESNT LOOK LIKE THE HELP PICTURE ....ANY THOUGHTS

73 DAN W6PRL

PS THIS MAY BE A DUP...I HAD A HARD TIME GETTING ADDRESS RIGHT

-----  
Date: Thu, 10 Feb 2000 00:13:57 -0500  
From: Hank Kohl K8DD <k8dd@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [62670] Special Fox Announcement  
Message-ID: <4.1.20000209225328.00c3fc90@192.0.0.6>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Stan, AC8W, and I are going (with our wives, of course) to the Bahamas for 2 weeks (and the ARRL DX CW contest).

We talked to Paul, W8KC - the Fox man - a couple weeks ago about a "special fox". Just got an e-mail from Paul regarding special foxes:

Per Foxhunt Rule...



6.1 A Special Event Fox may pop up once or twice to keep hunters on their toes.

Stay tuned to QRP-L for these announcements.

K8DD/C6A will pop up:

EST                      GMT/UTC

Feb 16                      Feb 17

Approx 8PM              Approx 0100Z

and will run for 2 contiguous hours.

This means you have to be on your toes.

Look on 40 Meters 7040 +/- 5 KHz (that means 7035 to 7045)

Radio will be TS-50S. Antenna will be vertical, yagi or dipole.

Speed will be variable. Conditions will be good. Track will be fast.

Mileage will, of course, vary.

We will be home Feb 25 and will post the log after that date.

There will be special QSL's available to those who work us.

Good luck.

This may be the only announcement, so if you miss it, please request a repeat and I'll send it again.

\*/      Hank Kohl   K8DD              k8dd@arrl.net  
\*/      ARRL TS                      http://www.tir.com/~k8dd  
\*/      MI-QRP - Vice Pres.   QRP-ARCI - Director  
\*/      G-QRP      ARRL/LM              QCWA/LM      QCAO/LM  
\*/  
\*/      Did you know you can email money with PayPal.com?  
\*/      https://secure.paypal.com/refer/pal=k8dd%40arrl.net

-----  
Date: Wed, 9 Feb 2000 22:01:49 -0700

From: "Marshall Emm" <mgemm@mtechnologies.com>

To: Morse.Express@edison.chisp.net, cqclist@cqc.org, qrp-l@lehigh.edu, brasspounders@e-groups.com

Subject: [62671] New Products from Morse Express

Message-ID: <200002100501.WAA32762@edison.chisp.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Morse Express is delighted to announce the availability of two new straight keys and a new single-lever paddle.

First, what's old is new again-- Anton Koval, UT7CT, is producing a very nice replica of a late 19th century European camelback key. The CT-4 Classic Camelback uses modern materials, though-- GOST standard black steel plated with a nickel-chromium alloy with a mirror finish. This is a BIG key-- about 8 inches long from stem to stern, and weighing in at a full 2 pounds. Those of you who have used a "heavy" key like the Swedish, the HK-802, or some of the European keys, will find a familiar feel in the smooth action of the massive lever. It's \$179.95, and you'll find pictures on the web site at <http://www.MorseX.com/ct> . The CT dual paddle should be here very soon!

Jim Richards, KD6VDH, has been making keys for a bit over a year now, and we finally have his "FingerTappers (TM)" keys in stock. The straight key is a medium sized key machined from solid brass stock and mounted on a polished hardwood base with a rubber pad underneath. The base measures approx. 2" x 3-1/4 inches, and the weight is 14 Oz-- quite heavy for a device of its size. The knob is very unusual, with a brass cap and wooden base, and quite comfortable to use. The trunnion is mounted in ball bearings with adusting screws.

A close companion to the straight key, the FingerTappers single lever paddle is a classic design, and a lot of fun to use. Similar in materials to the straight key, it has the same base dimensions and weight.

The price is \$99.95 for either the straight key and the paddle, and you can see them at <http://www.MorseX.com/ftap> .

For the collectors among you, we've put three or four items on a page we are calling the Collectors' Corner. Here you will find items that we have small quantities of-- not enough to turn into regular stock items. For example, we recently located some of the long-discontinued Hi-Mound HK-702 "deluxe" keys. You'll also find the Johnson Speed-X navy contract keys and the Soviet special forces leg-strap keys there. The Collectors' Corner is located at <http://www.MorseX.com/ccorner> .

As always, you can order on our secure server at <http://www.MorseX.com>, or use our toll-free credit card order line (800) 238-8205, or mail to Morse Express, 2460 S. Moline Way, Aurora CO 80014. For more information about the items mentioned here or any of our other products, visit our web site or call (303) 752-3382.

-----

Date: Wed, 9 Feb 2000 19:47:42 -0800  
From: Dan Presley <talljazz@teleport.com>  
To: qrp-1@LeHigh.edu  
Subject: [62672] Cmos III battery responses  
Message-ID: <v03007829b4c7e3cb709c@[216.26.60.163]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hey thanks all who responded! Looks like I need to yank out the voltage regulator and use 3 AAAs; at least that's the consensus. I figured this should have low drain so it sure was a surprise-I did have it configured with the sidetone off, so I figured I'd be good for a while. I didn't realize the VR was such a 'hog'-gotta haul out Paul Harden's book and take a look at the specs on this :)

Dan Presley-N7CQR-Portland, Or QRP-L #502

-----  
Date: Wed, 9 Feb 2000 21:57:21 -0800  
From: Radman <radman@best.com>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [62673] Isotron URLs...  
Message-ID: <01BF7348.AE6D4720@radman.vip.best.com>

Gang,

I fumbled around and located several pages on Isotron... those are some wild looking ants !! They look sort of like wind chimes or Southwestern sculpture... bizarre! I know nothing about them. Here's a link... be sure to click on "next page" at the bottom of the web page to see the full show. Three pages in all.

URL: <http://www.wavehunter.com/hfantena.htm>

72,

Conrad - NN6CW ... not an Isotron rep :)

-----  
Date: Wed, 09 Feb 2000 19:43:14 -0800  
From: Dick Carroll <dixie@townsqsr.com>

To: w7ls@blarg.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [62674] Re: OT: spot welding on nicad packs??  
Message-ID: <38A233D2.CB36A85A@townsqsr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jim I've found the tabs on those nicads are quite easy to solder to. I just finished soldering three into a cordless telephone yesterday.

73, Dick W0EX

Jim/Julia wrote:

>  
> Hi. I picked up a bunch of nicads and want to make a portable power  
> source for the QRP+. The cells have tabs spot welded to them. They  
> appear to be stainless steel and hence, no fun to try and solder to,  
> even if you have the fancy solders.  
> Surely, someone out there has experimented with zapping tabs onto  
> these cells. I think it may be as simple as just using a big, ugly  
> battery and a sharp probe to spot weld them together. Kinda dangerous,  
> if you screw up, though. Any hints out there?  
> Let's use "spotweld" in the subject line, so folks can easily filter  
> these messages out. Thanks. Jim W7LS

-----  
Date: Thu, 10 Feb 2000 00:24:24 -0600 (CST)  
From: aweiss@usd.edu (Ade Weiss W0RSP)  
To: qrp-l@lehigh.edu  
Subject: [62675] light weight transmission line  
Message-ID: <200002100624.AAA20044@sunburst.usd.edu>

RG-174 loss figures per 100-ft perfect match condition:

7mHz : 3.3dB  
14mHz : 4.5dB  
21mHz : 5.4dB

Add SWR loss to that.

-----  
Date: Thu, 10 Feb 2000 07:42:21 +0100  
From: "Juan Jose Pastor Estornell" <juanjope@ctv.es>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [62676] RE: 2N2222 & substitutes  
Message-ID: <003701bf7392\$2dc88a40\$4b8819d4@juanjopectv>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Hi all,

>Mary asks about different "versions" of 2N2222  
>transistors....  
>You should make a distinction between the  
>"2Nxxxx" numbers that we know transistors by, and  
>the hunka silicon buried inside. Manufacturers use  
>and re-use chips, putting 'em in different packages.  
>Each instance gets a different name. Almost  
>anything you see with a "2222" is going to have a  
>chip inside made from the same template. Perhaps  
>quality control is more stringent for mil-spec  
>"2N2222a" versions than the "MPS2222a" versions,  
>but they have the same heart.  
>My Motorola book shows the following transistors,  
>all grouped together under ONE data sheet:  
>2N2221  
>2N2221A  
>2N2222  
>2N2222A  
>2N2218  
>2N2218A  
>2N2219S  
>2N2219AS  
>This tells me that the chip inside each is very  
>similar, and only the package is different (the 2N2218  
>is in a T039 can that can throw out more heat).  
>The MPS2222 would also contain the same chip, but resides  
>in a plastic T0-92 package. MMBT2222 is a surface-mount  
>version. MPQ2222 is a quad version.  
>In addition, other manufacturers make the same  
>chip too: a PN2222 is made by Fairchild (National semi).  
>National semi gives a chip type a "process number" and  
>often uses these chips in a variety of transistor  
>packages, each with a different name.

>

And what about that "eurocritters"? I guess most low power transistor devices like all that BC107, 108, 109, 237, 238, 239, 337, 338, 339, 547, 548, 549 (you all can see the 7, 8, 9 series, usually it means a slight difference in characteristics, e.g. a lower noise figure) could be easily replaced by any low power NPN device, like the venerable 2N2222 and 2N3904 ones. As a matter of fact, the BC337 like series is higher powered but still into T092 plastic package, maybe a 2N4401 type would be a better replacement for it. But there is a higher powered NPN series around here that make nice and cheap QRP (abt 2W) final stages, with T0126 medium power package, I am referring to the nice BD135, 137, 139 devices, with an fT of about 150MHz (they work nicely in 40 meters...), and I do not know a possible american equivalent for them. Any takers?

73, 72 de Juanjo, EC5ACA/QRP. EA-QRP #104, G-QRP #9742, QRP-L #1662, NORCAL-QRP.

Juanjo Pastor  
C/San Roque, 4-1  
46460 Silla  
Valencia  
ESPA A

Tfn. +34 96 120 17 67  
e-mail casa (home): ec5aca@qsl.net  
e-mail trabajo (work): ec5aca@hotmail.com

-----  
Date: Wed, 09 Feb 2000 22:49:33 -0800  
From: Ed Loranger <we6w@netzero.net>  
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>  
Subject: [62677] QRQ Net Practice sentences.  
Message-ID: <38A25F7C.C2810BE9@netzero.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This is for this coming Sunday, 7 PM Pacific time, 7039 KHz.  
(Monday 0300Z UTC; 7039 KHz)

QRQ Net, WE6W/NCS

#1. A 4 wavelength longwire antenna has approximately

3 dB gain over a dipole.

#2. Beverage antennas suffer above 10 MHz due to limited response at higher angles.

#3. A rhombic antenna 4 waves long has 8 dB gain over a dipole.

Excerpts from the 15th Ed., ARRL Antenna Handbook.

Hope to hear you then. 72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP  
http://www.qsl.net/we6w Santa Rosa, CA  
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

-----  
Date: Thu, 10 Feb 2000 01:54:32 -0500 (EST)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Nv4t@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62678] Re: SOC Number  
Message-ID: <Pine.3.89.10002100127.F29554-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 9 Feb 2000 Nv4t@aol.com wrote:

>  
> Golly! Another non-P.C. group I can join (along with N.R.A.) Please tell  
> me how to get a SOC membership!!!  
>

Bang! You're SOC #33. This also serves to update the group to where we stand for membership. I'll post a roster if/when the sign-up slows down. Haven't had any time to look at a contest calendar, but we'll find a date and hold an SOC Marathon. Probably a four hour sprint and generally following ARCI QSO Party format, but with some twists. :-)

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: http://www.qsl.net/n4bp

Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Wed, 09 Feb 2000 23:05:37 -0800  
From: Jim/Julia <w7ls@blarg.net>  
To: qrp-l@lehigh.edu  
Subject: [62679] OT:spotweld, Thanks, guys!  
Message-ID: <38A26341.38E20F36@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for all the suggestions. I was swamped, so am unable to reply, individually. Synopsis: Custom solders do seem to work. Plain old solder doesn't work, very well. The neat part about spotwelding is that it creates a very thin junction, so when cramming batteries together in series, it gives a nearly zero thickness to the joint. Solder can't match that for being thin.

Jim W7LS

-----  
Date: Wed, 9 Feb 2000 23:21:01 -0800 (PST)  
From: Mont Pierce <km6wt@yahoo.com>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>  
Subject: [62680] FS: 2-NC20s, NC40A  
Message-ID: <20000210072101.5161.qmail@web120.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

S&S Engineering Ark 4 Sold (pending receipt of check)

|                 |              |
|-----------------|--------------|
| NC40A           | \$100.00 obo |
| NC20 w/ agc mod | \$100.00 obo |

|                 |              |
|-----------------|--------------|
| NC20 unfinished | \$100.00 obo |
|-----------------|--------------|

I had given this one to a friend as a gift, but after installing only about 6 components he lost interest and gave it back. He did buy the 10-turn pot for it, which I'll include for free.

73,  
Mont



=====

-----  
-----  
If you don't want to build web sites the easy way, then  
don't click here: <http://affiliate.netobjects.com/buyfusion.cfm?ID=18785>

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----  
Date: Thu, 10 Feb 2000 02:43:56 EST  
From: ARDUJENSKI@aol.com  
To: nwq-1@scn.org, qrp-1@lehigh.edu  
Subject: [62681] 160M RETEST  
Message-ID: <e3.1187837.25d3c63c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Due to extremely poor band conditions and high noise level (S-8), test will  
be conducted again 0400-0430Z Thursday nite (Friday am zulu time) on 1.816.  
Thanks. Signal should reach ID, WA, OR and Canada if NVIS is working  
properly. Thanks Alan KB7MBI

-----  
Date: Thu, 10 Feb 2000 10:47:01 +0000  
From: Goran Hosinsky <hosinsky@royac.iac.es>  
To: qrp-1 <qrp-1@lehigh.edu>  
Subject: [62682] K2 expanded test report??  
Message-ID: <38A29725.441CA884@royac.iac.es>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone found the K2 expanded test report on the ARRL site?  
Goran ea8yu

-----  
Date: Thu, 10 Feb 2000 11:16:46 +0000  
From: David Heintzleman <pstrdave@kdsi.net>  
To: qrp-1@Lehigh.EDU  
Subject: [62683] OT: license

Message-ID: <38A29E1E.6327D009@kdsi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, moved in December, sent in Form 605 to FCC, got address changed  
license back in snailmail, yet Univ of Arkansas ham club data base does  
not yet show change. How long does it take for them or QRZ to show new  
address?

Thanks,  
Dave K8BBM

"The main motivation of all computer users is to not appear stupid"

-----

Date: Thu, 10 Feb 2000 08:00:55 -0500  
From: Nils R Young <nilsbull@juno.com>  
To: QRP-L@lehigh.edu  
Cc: k8dd@arrl.net  
Subject: [62684] Dayton QRP Hotel stuff . . .  
Message-ID: <20000210.080101.-258787.0.nilsbull@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Fellow sufferers,

I just read Hank Kohl's note on the change in the QRP hotel set up at  
Dayton 2000. I checked out his link (which I had to fudge to work) &  
discovered that it's the same place that we were at many years ago for  
the American Amateur Press Assoc convention. One thing I learned from  
doing that confab was that those who arrange, organize, handle, maintain  
& suffer through putting a confab together need lots of help. Patience  
helps too. And for me, appropriately titrated medication.

So I get to go back to the Ramada again. Nice place. Elegant entranceway.  
Otter be funner 'n elsewhere, so to squeak.

Now, about the banquet tickets . . . and can somebody bring me a Covid?

73

Nils

. . . picked Cidney up at the aeropuerto yesterday afternoon . . . then  
she had to run off to work for a meeting . . . and another one this a.m.  
. . . the fun never ceases around the old bat roost . . .

-----

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes  
Sonrientes

<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 10 Feb 2000 07:22:59 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: Bob Patten <n4bp@bc.seflin.org>

Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>

Subject: [62685] Re: SOC Numbers

Message-ID: <Pine.LNX.3.95.1000210071354.19411A-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Good idea Bob!.....thank you very much for the two numbers....I'll go  
practice the numbers 1 & 2!.....HI HI....looking forward to the first  
"gathering" of SOC!.....question: do we have to wear SOC's when we run  
the marathon?.....yeah, I know; BAD, BAD, BAD!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - 128 Durham  
Drive, Regina, SK., S4S-4Z2, Canada -AR Stamp Collector-  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Thu, 10 Feb 2000 08:37:29 -0500 (EST)

From: Bob Patten <n4bp@bc.seflin.org>

To: Bruce Rattray <rattray@gpfn.sk.ca>

Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>

Subject: [62686] Re: SOC Numbers

Message-ID: <Pine.3.89.10002100810.E20602-0100000@bc.seflin.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Feb 2000, Bruce Rattray wrote:

>  
> Good idea Bob!.....thank you very much for the two numbers....I'll go  
> practice the numbers 1 & 2!.....HI HI....looking forward to the first  
> "gathering" of SOC!.....question: do we have to wear SOC's when we run  
> the marathon?.....yeah, I know; BAD, BAD, BAD!  
>  
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
> A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - 128 Durham  
> Drive, Regina, SK., S4S-4Z2, Canada -AR Stamp Collector-  
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"  
>

I see you found a place for your SOC #'s in your sig line. :-)  
Got to get a break and look at possible dates for our first SOC Marathon.  
Hey, if you can send better CW wearing SOC's, go for it! :-)

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Thu, 10 Feb 2000 07:44:53 -0600  
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>  
To: "'talljazz@teleport.com'" <talljazz@teleport.com>, "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [62687] Re: cmos III battery drain  
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA023D8805@ucusmail.spectrapoint.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Good morning Dan and the group - -

I know you've already had two or three replies to your question, but =  
thought  
I'd throw my two cents worth in too.

I've built all three versions of the CMOS Super Keyers, including the

original, which used discrete 4000 series IC's. All of them draw only a matter of microamps when idling. I've never bothered to put an on-off switch on any of them. The first two, I went to the work of building in a charger circuit, and used AA or AAA nicads, but when I built the CMOS III a couple years ago, I decided that it wasn't worth it when you looked at the cost of batteries. Three AA or AAA alkaline cells will last well over a year. I usually replace mine just before Field Day as a matter of course. On the CMOS II (at least), leaving the monitor turned on, even with no keying or sidetone present, runs the battery down faster. At least than seemed to be the case when it accidentally happened to me.

My recommendation, unless you absolutely don't have room, is to get rid of the 9 Volt battery and regulator, and replace them with three AA or AAA alkaline cells. The CMOS III (or any of the CMOS series) are not critical of supply regulation, as long as it doesn't fluctuate rapidly during operation. When the batteries run down to 3 Volts or so, it simply quits working, starts dropping bits, and just not working right. You'll know when that happens.

All in all, the CMOS series keyers have always been way ahead of the competition technology wise. They are well engineered, and are a dream to use. I'm getting ready to build a second CMOS III just to keep in my Field Day box. I'm not a big time tester, but love Field Day and some of the QRP contests like FYBO and BB, and I couldn't survive these without my CMOS III memory keyer. =20

BTW, I've been building keyers since my original DigiKeyer using RTL IC's in 1970. Following that were a TTL AccuKeyer, a CMOS Super Keyer, a Super Keyer II, a first production run TiCK, and the Super Keyer III.

72's es 73's,



Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A friend is looking for design info to make printed circuit inductors.

He asks "How practical is this technique for manufactured product where repeatability is important"?

Need a pointer to papers or text. First inductor would be 0.16 uH.  
Interested in what Q, frequency stability, microphonics, which pcboard material is needed. Application frequency was not provided.  
So assume FM band, 88-108 mhz.....just to identify stability issues.  
73, and thanks, W6MIK

--

David Shalita (Dave)  
af389@lafn.org  
Van Nuys, CA

-----  
Date: Thu, 10 Feb 2000 06:23:53 -0800  
From: Dave Barrett <DBarrett@creo.com>  
To: "'af389@lafn.org'" <af389@lafn.org>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62690] RE: Printed Circuit Inductor  
Message-ID: <BFEEFC3386986D2119C0800A0C99B5DE601187235@msgcreo3.creo.bc.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hi David

Email Laura Halliday, Laura is a good friend and I have talked with her about this topic before (years ago) and can't remember, but Laura will likely be able to steer you towards a source for the info / software you seek.

Laura's email: lha@sdr.utias.utoronto.ca

Good Luck

Dave VA7DB

-----Original Message-----

From: David Shalita [mailto:af389@lafn.org]  
Sent: Thursday, 10 February, 2000 6:10 AM  
To: Low Power Amateur Radio Discussion  
Subject: Printed Circuit Inductor

A friend is looking for design info to make printed circuit inductors.

He asks "How practical is this technique for manufacturerd product where repeatability is important"?

Need a pointer to papers or text. First inductor would be 0.16 uH.  
Interested in what Q, fequency stability, microphonics, which pcboard material is needed. Application frequency was not provided.  
So assume FM band, 88-108 mhz.....just to identify stability issues.  
73, and thanks, W6MIK  
--

David Shalita (Dave)  
af389@lafn.org  
Van Nuys, CA

-----  
Date: Thu, 10 Feb 2000 07:50:37 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: David Shalita <af389@lafn.org>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62691] Re: Printed Circuit Inductor  
Message-ID: <Pine.BSI.3.96.1000210074943.9126B-1000000@usr06.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

David,

I have a fairly extensive list of references on spiral inductors in the technical bibliography section of my web page at:

<http://www.primenet.com/~ctrask>

On Thu, 10 Feb 2000, David Shalita wrote:

> A friend is looking for design info to make printed circuit inductors.  
>  
> He asks "How practical is this technique for manufacturerd product where  
> repeatability is important"?  
>  
> Need a pointer to papers or text. First inductor would be 0.16 uH.  
> Interested in what Q, fequency stability, microphonics, which pcboard  
> material is needed. Application frequency was not provided.  
> So assume FM band, 88-108 mhz.....just to identify stability issues.  
> 73, and thanks, W6MIK  
> --  
> David Shalita (Dave)  
> af389@lafn.org  
> Van Nuys, CA



[illegible]

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Date: Thu, 10 Feb 2000 07:15:17 -0700  
From: E L D <wd7y@pyramid.net>  
To: qrp-l@lehigh.edu  
Subject: [62692] Thanks for Info W3EDP ant  
Message-ID: <200002100715640.SM01411@206.100.200.134>  
Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"  
Content-transfer-encoding: 7bit

72 Ed

Date: Thu, 10 Feb 2000 10:22:15 -0500  
From: Ken Newman <N2CQ@citnet.com>  
To: QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [62693] CONTEST: QRP Calendar - This Weekend

Message-ID: <3.0.6.32.20000210102215.007c4100@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CALENDAR  
Feb 12-13, 2000  
~~~~~

QRP ARCI Fireside Sprint (SSB) ...QRP Contest!

Feb 13 - 2000z to 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/firesid.htm>  
~~~~~

AND LATER.....  
~~~~~

ARRL International DX Contest (CW) ... QRP Category

Feb 19 - 0000z to Feb 20 - 2400z

Rules: <http://www.arrl.org/contests/announcements/intldx.html>  
~~~~~

CQ 160 Meter Contest (SSB) ... QRP Category

Feb 25 - 2200z to Feb 27 - 1600z

Rules: <http://www.cq-amateur-radio.com/160rules99.html>  
~~~~~

North Carolina QSO Party (CW/SSB) ... QRP Category

Feb 26 - 1200z to 2359z

Feb 27 - 1200z to 2359z

Rules: <http://www.netpath.net/~n4mio/qsoparty.htm>  
~~~~~

UBA DX Contest - Belgium (CW) ... QRP Category

Feb 26 - 1300z to Feb 27 - 1300z

Rules: <http://www.uba.be/Engels/framesgb.htm>  
(Click on "Latest News" then "Contestrules UBA Contest")  
(Contest software available for download)

~~~~~

High Speed CW Club Contest ... QRP Category

Feb 27 - 0900z to 1100z

Feb 27 - 1150z to 1700z

Rules: <http://www.sk3bg.se/contest/hsccl.htm>

~~~~~

Colorado QRP Club Winter QSO Party (CW/SSB) ... QRP Contest!

Feb 27 - 2200z to Feb 28 - 0400z

Rules: <http://www.sk3bg.se/contest/coqrpwqp.htm>

~~~~~

72 de

Ken Newman - N2CQ

Woodbury, NJ

N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~

<http://www.njqrp.org/data/contesting.html>

~~~WQ2RP NJQRP Club Station~~~

-----

Date: Thu, 10 Feb 2000 07:34:44 -0800 (PST)

From: Monte Stark <[ku7y@dri.edu](mailto:ku7y@dri.edu)>

To: Low Power Amateur Radio <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [62694] NA Sprint

Message-ID: <[Pine.GS0.4.10.10002100728280.10958-1000000@rotor.dri.edu](mailto:Pine.GS0.4.10.10002100728280.10958-1000000@rotor.dri.edu)>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Don't forget..... this weekend is the NA Sprint. This is the contest where you have to QSY all the time.... no sitting there calling CQ all the time.

Only 4 hours.

0000z - 0400z 13 Feb 00

Check out this page for tips on how to work in a Sprint.

<http://jzap.com/n6tr/sprint.html>

Tree has some great tips here and lots of recorded clips from contests showing just how it's done.

He even talks about how to handle things for the slower operators. While much of the "battle" is at well over 30 wpm you don't need to go that fast to have fun!

I hope to see all of you in there having fun.

Notice too that the suggested frequencies list "around 3540, 7040 and 14040".

For this 4 hour preiod a nice QRP chat near 7040 might be kinda hard to do! :-)

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----  
Date: Thu, 10 Feb 2000 10:30:08 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "Brian Dunn" <bdunn@lifeway.com>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>, John Miller <dsbfjm@btigate.com>  
Subject: [62695] DSBF Recruiting Brochure  
Message-ID: <200002101034\_MC2-9891-6506@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit

Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Brian:

We sent the materials to you on Monday of this week, so hopefully you will receive them soon. They are in a manila colored envelope, and hand-addressed to you at Lifeway. If you don't receive them soon, please let me know and I will send another set.

--Doc Lindsey

-----  
Date: Thu, 10 Feb 2000 10:39:00 -0500  
From: "Diz - WB8QYY" <wb8qyy@one.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [62696] OPERATING: Beacons  
Message-ID: <002f01bf73dc\$f7d230d0\$0102050a@4002>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I just read the rules in FCC part 97 about beacons.

Was hoping to find info on the rules for operating on 160 and 80 meters. I'm looking at putting up a beacon on 80 near 3,580 at less than 5 mW, but can't find any reference other than I probably needs to be under Operator Control and NOT auto control. Anybody know the rules?

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"  
Loveland, Ohio - near Cincinnati; 39.218N - 84.305W  
SOC#8 FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493  
<http://w3.one.net/~gentzow/wb8qyy.htm>

-----  
Date: Thu, 10 Feb 2000 10:44:43 -0500  
From: "Kevin F. Glynn" <kfglynn@mindspring.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [62697] CQ KI6DS, Looking for Doug's E-Mail Address  
Message-ID: <002501bf73dd\$c18133e0\$4a2ef7a5@oemcomputer>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi gang,

Please if anyone know's Doug's e-mail address please let me know.

Thanks for info.

72 Kevin N2TO  
Brooklyn, NYC  
kfglynn@mindspring.com

-----  
Date: Thu, 10 Feb 2000 08:02:49 -0800  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-1@lehigh.edu  
Subject: [62698] Kitano Key  
Message-ID: <38A2E129.9A8DB25F@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Does anyone have a Kitano Key they are interested in telling me about or selling?

--

-----  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
-----

-----  
Date: Thu, 10 Feb 2000 11:26:33 -0500  
From: "Ken Hanks" <captnfd@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [62699] J FET pin out  
Message-ID: <001701bf73e3\$9c52b660\$e7168ad1@acer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am replacing the RF amplifier in an HW-8 with a 2N4416A. The HW-8

Handbook suggests this as a direct replacement.

The 2N4416A's I have are in a T0-72 case. How do I identify the 2 gates, source, and drain?

73,

Ken Hanks K1XS  
Naugatuck, CT  
CaptNFD@yahoo.com  
<http://www.qsl.net/k1xs>

-----  
Date: Thu, 10 Feb 2000 11:35:45 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [62700] OOPS ;^)--Sorry for Posting Accidentally  
Message-ID: <200002101138\_MC2-988C-7EA9@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
                charset=us-ascii  
Content-Disposition: inline

Gang:

Please forgive me for accidentally posting a note re "DSBF Recruiting Brochure" to the reflector. This was a total accident by someone on our support staff. Was not intentional, and we are \*not\* recruiting at present.

GL in the FOX hunt for "ET" tonight :-).

72,

--Doc Lindsey/K0EVZ  
DSBF  
PO BOX 6028  
Bismarck, ND 58506  
K0EVZ@arrl.net

-----  
Date: Mon, 9 Feb 1998 23:57:41 -0500  
From: Howie R R Wilson <wa2ncf@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [62701] TEST disregard

Message-ID: <19980209.235744.-3924405.0.wa2ncf@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 10 Feb 2000 09:03:59 -0800  
From: Casey Ray <clray@usc.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62702] WTB 38 Special  
Message-ID: <38A2EF7F.9D857C07@usc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello all,

Anyone have a 38 Special, working or not, with custom Doug Hauff -  
KE6RIE case they would be willing to part with? Please send asking  
price to clray@usc.edu

Thanks for the bandwidth.

72 de Casey  
AD6DI  
Sunland, CA

-----  
Date: Thu, 10 Feb 2000 17:08:02 GMT  
From: "Mark Adams" <k2qo@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [62703] Receiver Tests/Dynamic Range-Help  
Message-ID: <20000210170802.76230.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Gang,

I have read all of the ARS tests at the web site. I also printed out the



explanations of the tests and what they mean; third order IMD dynamic range, blocking dynamic range, etc.

My Ten Tec Argo 556 boasts a "...90dB dynamic range. That's the strong signal handling performance of rigs costing three times as much!" Which test are they referring to? I guess that I am just an electrically challenged mechanical engineer :-)

72, Mark K2QO x-N2VPK

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Fri, 11 Feb 2000 01:18:58 +0800  
From: "Sly, 9M8SL" <cqsly@tm.net.my>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62704] ANT: NVI's Dipole - How low can U go?  
Message-ID: <20000210171858.FWCI14257@user>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang,  
Greetings all...  
I need to have weekly skeds with some friends on 40 metres. Our distants are probably in the region where NVI's/Cloud Warmers antennas would work best for such local evening skeds/contacts.

My question is: How low can such Dipoles be on 40 metres and still be able to reap the NVI's effect for a better short range qso's?  
Any help in pointing me to this subject would be deeply appreciated. My thanks in advance.

72/3 de Sly, 9M8SL  
Borneo Island, East Malaysia.

-----  
Date: Thu, 10 Feb 2000 09:29:11 PST  
From: "Doug Hendricks" <ki6ds@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [62705] Pizza Bash for Tim Pettibone tonight!!  
Message-ID: <20000210172911.14261.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys, don't forget the pizza bash tonight 7:30/8:00 PST. It will be held at the usual Round Table Pizza restaurant near Rt 85 in Mountain View. Tim is flying in this afternoon, and Bob Tellefsen I believe will be transporting him to the dinner. It is going to be a blast to see Tim again in person. A great guy, and a great tester. I spent Qrp to the Field with Tim twice, once at Riley, "Hey, did I tell you about the wind??", and once at El Paso, where I almost got arrested by the Mexican Border Patrol. Every time we get together, it is exciting and fun. Hope to see you there. Don't forget to bring something for show and tell. Thanks to Paul Maciel for putting this one together. 72, Doug, KI6DS

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Thu, 10 Feb 2000 12:01:18 -0600  
From: "Ron White" <rwhite@netins.net>  
To: "Qrp-1" <qrp-1@Lehigh.EDU>  
Subject: [62706] Toroid "glue" question  
Message-ID: <007401bf73f0\$d7077a40\$fb0b8ea7@netins.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi,  
I have been trying to find some q-dope for holding the turns in place after winding toroids, but haven't had much luck yet. Thought I'd gotten lucky at Mouser, but the sales lady said it would cost an additional \$20 to ship it by air because it is a dangerous chemical.

What do the rest of you use for protecting the wire and holding the turns in place?

Thanks for any replies.

Ron

Ron White  
e-mail - [rwhite@netins.net](mailto:rwhite@netins.net)  
Amateur radio WA0MWW

-----

Date: Thu, 10 Feb 2000 13:06:19 -0500 (EST)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Jim McKinley <flyable@starpower.net>  
Cc: QRP-L Reflector <qrp-l@lehigh.edu>  
Subject: [62707] Re: SOC  
Message-ID: <Pine.3.89.10002101329.M10133-01000000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; CHARSET=iso-8859-1

On Thu, 10 Feb 2000, Jim McKinley wrote:

>  
> I just got on the qrp-l and I guess so did this SOC thing. Could you tell  
me how and why it got started as I seemed to have missed that part.  
Hi Jim, There was a recent thread about the FOC (First Class Operator's  
Club). They were holding their annual Marathon - for members only. They  
really are a first class bunch of operators, but rather elitist in that  
membership must be by independant nomination from five existing members  
and total membership is limited to 500.  
Soooo. We have started the "Second Class Operator's Club". Since we are  
number two, we must try harder. And we will hold a Marathon of our own  
in the near future.  
>  
> Oh, could you fix me up with a number.....Thanks  
Welcome aboard! You're SOC #51. Wear it proudly!

73,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Thu, 10 Feb 2000 12:13:22 -0600  
From: "Mike Besemer (KG8L)" <kg8l@worldnet.att.net>  
To: <rwhite@netins.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62708] RE: Toroid "glue" question  
Message-ID: <000401bf73f2\$855e68a0\$66aa48a6@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I used clear fingernail polish on my TT1340 and it worked very well...no noticeable difference in the tuning range/center frequency before/after

72/73,

Mike  
KG8L/5

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Ron White  
Sent: Thursday, February 10, 2000 12:01 PM  
To: Low Power Amateur Radio Discussion  
Subject: Toroid "glue" question

Hi,

I have been trying to find some q-dope for holding the turns in place after winding toroids, but haven't had much luck yet. Thought I'd gotten lucky at Mouser, but the sales lady said it would cost an additional \$20 to ship it by air because it is a dangerous chemical.

What do the rest of you use for protecting the wire and holding the turns in place?

Thanks for any replies.

Ron

Ron White  
e-mail - rwhite@netins.net  
Amatuer radio WA0MWW

-----  
Date: Thu, 10 Feb 2000 13:16:58 -0400  
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [62709] Utah 160-Meter Challenge  
Message-ID: <v03110705b4c8a18de2ee@[132.235.81.58]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

With the renewed interest in 160 meter operation, I thought that it might be a good idea to post this contest that is this weekend. Might give some of us a chance to go for the miles-per-watt thingy...

Since they give the date as Saturday, I am assuming (Boy, does that word "assume" get me in more trouble...) that the time is UTC and it is a Saturday evening (EST, CST, MST, PST) event.

Can anyone confirm that it is a Saturday evening event?

NS80

~~~~~

Utah 160-Meter Challenge

-----

SPONSOR: UTAH DX ASSN

DATE: 2nd Saturday in February.

TIME: CW : 0100-0400  
SSB : 0400-0700.

BAND: 160 Meter

MODES: CW and SSB. (Different time periods).

CATEGORIES: Single Operator.

EXCHANGE: RST + DXCC-country.  
Utah stations: RST + county-code.

POINTS: Every QSO counts 1 point. If the output power is less than 200W  
every QSO counts 1.5 points.

MULTIPLIERS: Count one multiplier per Utah county and DXCC country worked.

FINAL SCORE: Total QSO-points times total multipliers.

LOGS: Send log within March 15th to:

Ron Johnson, WE7H  
68 South 300 West  
Brigham City  
UT 84302

-----  
Date: Thu, 10 Feb 2000 13:27:40 -0500  
From: "Al Gritzmacher " <ae2t@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62710] Re: Digest  
Message-ID: <200002101830.NAA29161@allman.localnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

On 9 Feb 00, at 8:38, Paul Helbert, Wv3j wrote:

> Gentlemen;  
>  
> I subscribe to the digest and try to skim it daily. On any given day,  
> there will be a few postings that I would like to read, and a lot of  
> others (the "me, too" messages and such) which I elect to skip over. I  
> am guessing that there must be some means of improving the digest to  
> accommodate this sort of browsing. Would it be feasible to implement  
> automatic bold subject lines in the index targeted to each posting?  
<snip>  
> Are there really  
> still folks out there who are HTML impaired?

I'm certainly not HTML-impaired, but it has it's place, and e-mail is not the place. If the volume of mail you have to skim is of concern, then you really don't want to slow it down with HTML-enhanced mail. (And the unnecessary pictures, silly backgrounds, overused fonts and colors, V-cards and all the other stuff that goes along with it.)

When I was getting the digest, I found it convient to use the message number that is assigned to each message and is next to the subject. It's in brackets: [12345]. If you search for the number, it will take you straight to that message to read.

I now prefer individual messages and have a number of filters that sort it all out. Use a good e-mail client: Eudora and Pegasus blow Microsoft and Netscape's email clients away.

It's really nice to have all the messages from QRP-L put into one folder, in subject order so that all the replies are right with the original. Read mail and old, unread mail gets automatically deleted after a certain number of days. All the FOX posts get pulled out

into another folder. Etc. Good filters do wonders!

The web page based archives are useful too and serve their purpose. I find them useful for going back to look for a message the I may have already read and deleted or am away from home and don't have.

Al Gritzmacher, AE2T  
ae2t@arrl.net

Welcome to year 2000, the last year of the Twentieth Century and the last year of the Second Millenium. 2001 is the beginning of the new century and millenium.

-----  
Date: Thu, 10 Feb 2000 13:27:40 -0500  
From: "Al Gritzmacher " <ae2t@arrl.net>  
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62711] Re: Web Page Software Recommendations?  
Message-ID: <200002101830.NAA29204@allman.localnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

On 8 Feb 00, at 0:33, Wilford D. Lindsey wrote:

> Gang:  
>  
> Help! Looking for recommendations on do it yourself web page software that  
> gives good results but is fairly straightforward to use. Need something  
> which is not too complicated, which can be updated easily, and yet is gives  
> good results. Any ideas?  
>  
>

Okay, I'll add my opinion to this question. First of all, it's kind of like asking "what's the best make of car?" or "what's the best religion?" You'll get a hundred different answers if you ask a hundred people.

You also don't say what your plans are. A personal page? Many pages? A corporate site? You could build a house with only a hammer and hand saw, but you wouldn't want to build a sub-division that way.

First of all, no matter what you use to create web pages, you will be better off if you understand it. A good book you can hold in your lap while you

work on screen is a great aide at first. You can't remember all the tags and uses at first.

You can build a webpage in a text editor. Notepad is a terrible text editor, though. There are many better available as shareware or freeware. I like one (I have tried a few, but far from all) called Textpad. <http://www.textpad.com/> It has a number of improvements over Notepad, but the most important one I know is the file size limit isn't there.

WYSIWYG HTML editors are marketed by telling people they don't need to know HTML. Baloney. Most of them, including Front Page and Composer, make lousy HTML. Frankly, the only WYSIWYG editor I've ever liked is AOL Press. It's free: <http://www.aolpress.com>

There are many HTML editors that let you work on the page at the HTML text level, but offer features that a simple text editor doesn't. This really speeds up the process. Saves having to save the page and view it in your browser to see what you've done.

Some of the things they add are: tag selection from a menu or list; tag completion or hints; tag color-coding; automatic formatting or indenting for clarity; drag and drop links or image insertion from a directory, and on and on.

I tried a few different programs a few years ago when I was starting but they have all evolved. My favorite has been HomeSite by the Allaire Co. <http://www.allaire.com> This is a professional quality product, but is still priced under \$100 for the full version. The latest versions offer a WYSIWYG-style editing screen along with the normal text-based editor and the built-in preview. It also will work either from a file, a group of files called a project, or over the network. FTP is built in, so you don't need a FTP client. It supports many new web technologies - HTML 4.0, CSS, SSI, Cold Fusion, JavaScript and JScript, etc. It also has a built-in validator, style sheet editor and link checker.

Validation is an important topic. How do you know if the page you just made is any good? Will it work on another browser? Just because it shows up okay on yours, doesn't mean it's all right. A validator will check your HTML against the standards set for HTML and point out any mistakes you might have made. (And you will make many!) There are web-based validators, as well as stand alone programs. I suggest you try one. It's an instant critique of the HTML you wrote and will help the learning process. A validator is built into Home Site.

There are many good resources on the WWW on learning HTML. One I've found useful in the past is the HTML Writers Guild <http://www.hwg.org> They have many resources on the web as well as a bunch of e-mail lists



(including one for beginners) that you can ask questions and receive good answers on. The lists are moderated, so the signal to noise ratio is good. They will try to get you to pay to join, but there is a free, non-professional member level. The advice you get there is usually right on the money and can be trusted, unlike some WWW sites.

I have a number of web pages I have written (and maintain - you are never really done writing them!) and have been at it since at least '95. ( I can't remember exactly) That's forever in Internet years! I even considered doing it professionally at one time, but haven't done so. I hope my experience is of some help, or at least steers you in the right direction!

=====  
The amazing thing about QRP is not how many contacts are made, but that they are made at all. Every QSO is a contradiction of conventional wisdom.

72,

Al Gritzmacher, AE2T

QRP-L #1664 QRP-ARCI #9837 K2 #274

ae2t@arrl.net

<http://members.localnet.com/~ae2t/>

QRP - If you don't try, you'll never know!

-----  
Date: Thu, 10 Feb 2000 12:34:57 -0600  
From: Dave Sjolín <sjolin@swbell.net>  
To: k2qo@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62712] Re: Receiver Tests/Dynamic Range-Help  
Message-ID: <38A304D0.73E9B7DC@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Mark Adams wrote:

>  
> I have read all of the ARS tests at the web site. I also printed out the  
> expanations of the tests and what they mean; third order IMD dynamic range,  
> blocking dynamic range, etc.  
>  
> My Ten Tec Argo 556 boasts a "...90dB dynamic range. That's the strong  
> signal handling performance of rigs costing three times as much!" Which test  
> are they referring to? I guess that I am just an electrically challenged  
> mechanical engineer :-)

Don't feel bad Mark,

I looked up several Ten Tec results on the ARRL Member web site. Closest I could come to your rig was Argonaut II and the Scout (555). On the Argonaut, Ten Tec claimed 95 db dynamic range with no specifications given for how tested. ARRL gave both the blocking dynamic range and third order IMD dynamic range next to the claim. The results they came up with their standard tests were about 120 db on bdr and lower 80's on IMD. Numbers were I believe, a little higher on the Scout.

To me, a non engineer, 90 db isn't that great if they are referring to the BDR. Especially if you operate during a lot of contests with lots of strong signals on the bands. For comparison, check out the K2 specs on the Elecraft website or the ARRL website. They also give specs for several other rigs including Yaesu 1000MP which is fantastic on dynamic range (137 bdr/98 or so on IMD) and I believe the Scout.

73 de Dave, N0IT

-----  
Date: Thu, 10 Feb 2000 13:38:32 -0500 (EST)  
From: Chris Cartwright Sr <ccart@phideaux.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62713] Re: SOC  
Message-ID: <Pine.LNX.4.04.10002101337150.22149-1000000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Feb 2000, Bob Patten wrote:

> Welcome aboard! You're SOC #51. Wear it proudly!

At this rate there should be more of "us" than "them" by the end of next week <snicker>. :-)

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Thu, 10 Feb 2000 10:41:26 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62714] PVC etc. RF Coil building.  
Message-ID: <38A30656.CDF84E53@qsl.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi gang, I saved off this file a couple of years ago. It details one procedure for preparing plastic pipe for use at RF frequencies as a Tesla coil. My expectations were to apply the knowledge learned to my homebrew antenna applications in the future. As well as the ARDF application mentioned last year along with 3 coil goniometer design with 4 vertical and 8 vertical antenna adcock design intentions as time permits.

I wanted to share the URL for this file, coilbld.zip but cannot find it.

Anyway, the zip is just some .GIF files and matching .TXT files explaining the process.

Here's an excerpt that may prove interesting:

Text file for COILBLD1.GIF, graphical instructions for construction of high performance 1/4 wave Tesla resonators.

1) The first step in winding a coil is to select a coil form. The coil form should be a low loss material (we are talking about radio frequency losses in the 50 - 1000 kHz range) like polyethylene, polystyrene, or polypropylene, polycarbonate (Lexan), acrylic (Plexiglas), or even ABS: but the most common material used from the standpoint of cost and availability is PVC (poly-vinyl-chloride), which is VERY HIGH LOSS. PVC may be used if the material is properly prepared before winding on wire. Regardless of the material selected, the thinnest possible coil form should be used; avoid heavy walled or pressure rated tubing.

The ratio between the actual winding length and diameter is important. The ratio of the winding length to the winding diameter is known as the ASPECT RATIO (height : diameter), where the diameter always equals 1. Aspect ratios may be expressed by a single number such as "3.21". Please review the simple chart below when selecting a coil form and the proper wire gauge: (All dimensions are in U.S.A. measurements, inches, feet, AWG, etc..)

| Coil Form Diameter | Aspect Ratio | Winding Length |
|--------------------|--------------|----------------|
| 3 inches           | 6:1          | 18 inches      |
| 4 inches           | 5:1          | 20 inches      |

|                      |       |                              |
|----------------------|-------|------------------------------|
| 5 inches             | 4.5:1 | 22.5 inches                  |
| 6 inches             | 4:1   | 24 inches                    |
| 7 inches             | 3.5:1 | 24.5 inches                  |
| 8 inches             | 3:1   | 24 inches                    |
| larger than 8 inches | 3:1   | multiply the coil diam. by 3 |

This chart is based upon the physical characteristics of the actual winding. Do not assume that "six inch PVC drain pipe" actually measures six inches o.d., and be sure to allow a few inches of extra coil form length. When selecting and cutting the coil form you should allow at least an extra inch of coil form on each end, and I generally figure on cutting the coil form three inches longer than the actual winding length. After determining the length of the coil form required, measure twice, then cut. Make sure that both cut ends are square.

2) The coil form must be free of major surface imperfections. I wet sand my coil forms with #150 wet/dry sandpaper (or emory cloth) and water to remove markings, oxidation, scratches and cuts. After wet sanding, the coil form must be dried thoroughly. If PVC plastic is used the coil form should be dried in a drying box, gently baked under a heat lamp, or even placed in a very low temperature oven for a few days. PVC coil forms must then be sealed to negate the high RF loss factors that are inherent to this plastic. Sealing also prevents PVC plastic from reabsorbing moisture. Using a sealer such as petroleum based polyurethane varnish, two-part clear epoxy paint, and some acrylic spray sealers is important. Avoid water based and milky "emulsion" type sealers.

When I am ready to seal a PVC coil form, I mount the form up on a winding spindle. I work in a well ventilated area, and I turn on at least one fan to keep air moving over the work. I set up a few heat lamps or other spark-free radiant heat source. Then I begin a four hour coating process. I prefer a high-gloss polyurethane or epoxy sealer applied with a good varnish brush. Sealer is slopped on while the coil form is spun. I use the brush to apply and smooth the heavy coats, and to spread out drips and runs. Coats may be applied almost continuously in this fashion for an hour or two. After coating the coil form, it should be rotated on the winding spindle for a few hours while radiant heat and moving air are used to speed a cure. Using this method it is possible to build up a high-gloss finish which is free of runs, drips, and sags. If drips and sags do occur, then can be "grated" off with a body putty grater, or carefully trimmed away with a knife while the sealant is still pliable.

3) The coil should be close wound with a good quality magnet wire. I use double Formvar enamel coated magnet wire purchased surplus, but newer insulations such as Polyimide coatings are even better. Magnet

wire gives the maximum inductance per unit volume of coil form. The coil should have over 800 turns, but not too many over 1000 turns. There is a little leeway here. Use the thickest gauge of magnet wire that will allow the correct aspect ratio, and between 800 - 1000 turns. It has been suggested that all coils be wound with at least No. 22 AWG, or larger, magnet wire. I would concur with this recommendation.

I plug the ends of the coil form with a tight fitting wooden disk and run a dowel or threaded rod through a center hole so that it will spin. I set up the wire spool so that it will spin at one end of a pair of sawhorses, with the coil form at the other end. I wind the wire on by hand, making sure the windings are close-wound, tight, smooth, and even. Overlaps and gaps will adversely affect the performance. I use a dab of hot glue, epoxy, or tape to hold the first turns in place, and I make sure to leave a 3 foot tail of wire at both ends. Do not drill holes or permanently route wire inside of the coil form.

....lots more....

Anyway, I hope this 'sparks' interest in homebrew coil design for your purposes. I have no intention of building a Tesla coil or suggestion others take on the task, which can be dangerous. But for homebrew design of low-loss RF coils, perhaps it is of interest.

72/Ed we6w

--

-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----

Date: Thu, 10 Feb 2000 13:53:24 -0500 (EST)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Chris Cartwright Sr <ccart@phideaux.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62715] Re: SOC  
Message-ID: <Pine.3.89.10002101350.C28168-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Feb 2000, Chris Cartwright Sr wrote:

>  
> > Welcome aboard! You're SOC #51. Wear it proudly!  
>

> At this rate there should be more of "us" than "them" by  
> the end of next week <snicker>. :-)  
>  
Jeez, 56 and no sign of slowing down. My fingers are getting numb from  
typing! We have such rare mults as AK, MT, UT, ID in our midst. That SOC  
Marathon should be a fun event when it happens!

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Thu, 10 Feb 2000 12:58:42 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [62716] 6L6's, etc  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E68@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

All,

Back in the sixties, the ARRL had an article in QST on a 50C5 single tube  
oscillator/xmitter. It was build on a woden board with nails as tie points  
and hooked up direct to the 110 VAC mains without a transformer. I built  
one and had alot of fun with it, but you shure had to be careful not to  
touch the nails. I wonder if they still have copies of the article?

Hal

-----  
Date: Thu, 10 Feb 2000 12:57:31 -0600  
From: "Arnold Braker" <arnold@rogerb.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [62717] For Sale: Galexy V  
Message-ID: <004e01bf73f8\$b1cdc740\$29020ed8@msebrakr>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi all,  
I have a Galaxy V. It is an old tube radio which operates on  
80, 40, 20, 15, and 10 meters on CW and SSB. I have the W7FG manual,  
the matching power supply, and speaker. Watt output is about 100 on  
80 - 35 on 10.  
for it.

It has been used mostly for CWw here have had many contacts on all  
bands. The signal reports were all very good. I have never been able  
to use SSB successfully but it does have watt output. I do not know if  
this is operator error or a problem with the rig. One other problem  
the rig has is that it does not load up well on 10 meters

I am asking a negotiable \$110 plus shipping. If you are  
interested, have any questions or think I am asking way too much,  
please e-mail me.

73,  
Arnold KD5CKH

"A rut is a grave with the ends kicked out"

-Anthony Robbins

-----  
Date: Thu, 10 Feb 2000 11:06:21 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Richard Matthews <prm@hiwaay.net>, Low Power Amateur Radio Discussion <qrp-  
l@Lehigh.EDU>  
Subject: [62718] Re: PVC etc. RF Coil building.  
Message-ID: <38A30C2D.9A8C7689@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thankyou very much Richard.  
here is tis gang:

Richard Matthews wrote:

>

> Ed,  
>  
> That Coilbld software is at  
> <http://www.funet.fi/ftp/pub/sci/electrical/tesla/misc/>  
>  
> Richard WA4NWW

--  
-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----  
Date: Thu, 10 Feb 2000 14:14:35 -0500 (EST)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: QRP-L Reflector <qrp-l@lehigh.edu>  
Subject: [62719] Tim, K5OI - Need E-mail Address!  
Message-ID: <Pine.3.89.10002101441.I28168-01000000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Nothing to read, subject sez it all...

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Thu, 10 Feb 2000 14:33:16 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [62720] Re: Toroid "glue" question  
Message-ID: <3.0.32.20000210143312.0071f660@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 12:01 PM 2/10/00 -0600, you wrote:  
>Hi,



>I have been trying to find some q-dope for holding the turns in place after  
>winding toroids, but haven't had much luck yet. Thought I'd gotten lucky at  
>Mouser, but the sales lady said it would cost an additional \$20 to ship it  
>by air because it is a dangerous chemical.

>

>What do the rest of you use for protecting the wire and holding the turns in  
>place?

>

>Thanks for any replies.

>

>Ron

>

>

>Ron White

>e-mail - rwhite@netins.net

>Amatuer radio WAOMWW

Ron,

I recently used a product used by artists to seal acrylic painting bought from an art store several years ago.

It's called Liquitex polymer gloss medium and works well in my NC-20 although I don't have any way to measure the electrical properties. All I know is that it is water based, dries fast and clear and the rig works well judging by reports from around the U.S.

All the tuning went well with Dave Fifield's fine instruction sheet.

I like it better than Q-dope but others may be able to add to this.

73 Pete NV4V

-----

Date: Thu, 10 Feb 2000 11:39:27 -0800

From: "Bob Tellefsen" <n6wg@earthlink.net>

To: <qrp-1@Lehigh.EDU>

Subject: [62721] Re: ANT: NVI's Dipole - How low can U go?

Message-ID: <01bf73fe\$8b4bc7b0\$26dbfc9e@ham.earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Sly

You might try about .15 wavelength spacing above ground.

This is a commonly used spacing between a driven element and a reflector in a two element beam. Let's see, 7 MHz wavelength around 133 ft, so .15 x 133 = about 20 ft. Spacings down to .1 wavelength are used, which would get you

down around 13 ft above ground. I wouldn't go much lower, tho.  
73, Bob N6WG

-----  
Date: Thu, 10 Feb 2000 11:41:09 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [62722] Re: Toroid "glue" question  
Message-ID: <01bf73fe\$c7446920\$26dbfc9e@ham.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I use the Q dope here, because I can get it in the SF Bay area.  
However, I've seen lots of mentions of clear fingernail polish.  
You might check that out.  
73, Bob N6WG

-----  
Date: Thu, 10 Feb 2000 14:40:55 EST  
From: N10DL@aol.com  
To: qrp-1@lehigh.edu  
Subject: [62723] Isotron antenna  
Message-ID: <88.ca7a60.25d46e47@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

The question was asked how I was using the PVC pipe and bungee as a mast in my shack. I took a 10 foot PVC pipe and cut it into 2' sections. I also bought some PVC pipe connectors to fit the sections together. you can add as many sections as needed. I have 4 of these sections connected together with the antenna attached to the top section by the U bolt which is on the antenna. I have wrapped the bungee around the pipe and one leg of the table in two spots. WALA....Antenna mast. I am using a 1.25 inch sized pipe. I am planning on getting a 1" pipe cut to the same 2' sections. this size will be better for trvel. It will fit in my bag much better.  
As I mentioned in my other post, I am not sure why this antenna works so well, but it does, at least for me in my situation. I have only tried the 20 meter antenna as it was a size that made sense for my needs. I am still playing around with how to fine tune this antenna to get it just where I want it without a antenna tuner.  
The Saga continues.....

Aron  
N10DL  
Bedford, NH  
FISTS#4110, QRP-L#1326 SOP#10

-----  
Date: Thu, 10 Feb 2000 12:42:14 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: Mark Adams <k2qo@hotmail.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62724] Re: Receiver Tests/Dynamic Range-Help  
Message-ID: <Pine.SUN.4.10.10002101227210.4321-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Feb 2000, Mark Adams wrote:

> My Ten Tec Argo 556 boasts a "...90dB dynamic range. That's the strong  
> signal handling performance of rigs costing three times as much!" Which test  
> are they referring to? I guess that I am just an electrically challenged  
> mechanical engineer :-)  
>  
> 72, Mark K2QO x-N2VPK

Mark,

The dynamic range of a rig is determined primarily by the first mixer. I don't recall what the TT Argo/Scout uses, but pretty sure it is a passive mixer, such as the SBL-1 or something. Dynamic range is the difference between the minimum discernable signal (MDS) and where it goes into gain compression ... that is, the point where an increase in a strong signal no longer causes an increase in the output of the mixer. (And above this gain compression point, the mixer begins producing gobs of unwanted image signals, called IMD, or intermodulation distortion).

The average MDS of most QRP receivers is in the -120 to -130 dBm range. Say for your Argo it is half-way or -125dBm. A dynamic range of 90dB means the compression point is -35dBm, or the maximum level of a signal that SHOULD be applied to your receive antenna without causing distortion. A 1dB compression point around -35dBm is average, but not spectacular.

Most ALL mixers will give you a dynamic range of 80-90dB, with 100dB or better being VERY good. I think you will find the dynamic range of most of the other rigs you have looked at should be in this same general range, whether one of the QRP kits available, or a rig costing three times as much.

72, Paul NA5N

-----  
Date: Thu, 10 Feb 2000 12:12:08 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62725] RE:SOC  
Message-ID: <38A31B98.48DC0C83@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Saw bits and pieces of this thread but didn't understand...

I thought, if its qrp'ers, wouldn't it be "Super Ops Club?"

-Ed :)

--  
-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP  
http://www.qsl.net/we6w Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

-----  
Date: Thu, 10 Feb 2000 15:13:09 -0500 (EST)  
From: Chris Cartwright Sr <ccart@phideaux.com>  
To: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62726] Re: Utah 160-Meter Challenge  
Message-ID: <Pine.LNX.4.04.10002101510440.22149-1000000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Feb 2000, Greg Weinfurtner wrote:

> word "assume" get me in more trouble...) that the time is UTC and it is a  
> DATE: 2nd Saturday in February TIME: CW: 0100-0400 SSB: 0400-0700.

Yup, that's in UTC, take look at:

<http://www.sk3bg.se/contest/utah160.htm>

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Thu, 10 Feb 2000 12:19:20 -0800  
From: "Andreas Junge" <andreas@OpenGrid.com>  
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62727] RE: SOC  
Message-ID: <MFEOKMHFGOM0E0JFJILAGEGICFAA.andreas@opengrid.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

No, we knock the SOC's off everybody :-)

Andreas, N6NU  
Menlo Park, CA  
K2 #14

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
> Ed Loranger  
> Sent: Thursday, February 10, 2000 12:12 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE:SOC  
>  
>  
> Saw bits and pieces of this thread but didn't  
> understand...  
>  
> I thought, if its qrp'ers, wouldn't  
> it be "Super Ops Club?"  
>  
> -Ed :)  
>  
> --  
> -72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP  
> <http://www.qsl.net/we6w> Santa Rosa, CA  
> QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227  
>

Date: Thu, 10 Feb 2000 15:30:43 -0500 (EST)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Ed Loranger <we6w@qsl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62728] RE:SOC  
Message-ID: <Pine.3.89.10002101504.I16721-01000000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Feb 2000, Ed Loranger wrote:

>  
> Saw bits and pieces of this thread but didn't  
> understand...  
>  
> I thought, if its qrp'ers, wouldn't  
> it be "Super Ops Club?"  
>

One idea for a motto, spawned from a Marathon rules suggestion of K7GT:  
"You don't have to be QRP to be a Second Class Operator"..  
I'm living evidence, y'all know I do QRO as much as QRP...  
Sign you up, Ed??

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Thu, 10 Feb 2000 15:39:03 EST  
From: Charles R Greene <cgreene7@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [62729] Off-Center fed antenna dimensions  
Message-ID: <20000210.153907.-318253.0.cgreene7@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi all,

Today was a bright, sunny, quiet day with temps up into

the 40's for a pleasant change, so I decided to measure out an off-center fed antenna in the yard. The wire is #24 stranded, PVC covered, light grey, sort of invisible. Center insulator goes to a small mast at peak of roof, short end to 25' mast and long end to a 35' tree. I plan to feed it with 300 ohm ladder line for about 45' to a 4:1 balun in the basement, to the antenna tuner with 15' or so coax. So to find the dimensions. Looked in several books and at W4RNL's website and found lots of dimensions, all different.

So guys, who has a favorite set of dimensions, and how many ohms do you get with them? A good reference would suffice.

Many thanks,  
72/73

Charles Greene  
Amateur Call W1CG  
Bristol, RI

-----  
Date: Thu, 10 Feb 2000 12:56:09 -0800  
From: Dave Barrett <DBarrett@creo.com>  
To: "'ae2t@arrl.net'" <ae2t@arrl.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62730] RE: Web Page Software Recommendations?  
Message-ID: <BFEFC3386986D2119C0800A0C99B5DE60118724A@msgcreo3.creo.bc.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

No one has yet mentioned Sausage Software's "Hot-Dog"  
Its great, and you do not have to mess with (learn) HTML.  
Its a drag-n-drop easy to use.....even has an unlimited free trial period on the HD Junior....

Dave VA7DB

PS to see it and download the trial ver go to:  
<http://www.sausage.com/>

-----Original Message-----  
From: Al Gritzmacher [mailto:ae2t@arrl.net]  
Sent: Thursday, 10 February, 2000 10:28 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Web Page Software Recommendations?

On 8 Feb 00, at 0:33, Wilford D. Lindsey wrote:

> Gang:

>

> Help! Looking for recommendations on do it yourself web page software that

> gives good results but is fairly straightforward to use. Need something

> which is not too complicated, which can be updated easily, and yet is gives

> good results. Any ideas?

>

>

Okay, I'll add my opinion to this question. First of all, it's kind of like asking

"what's the best make of car?" or "what's the best religion?" You'll get a hundred different answers if you ask a hundred people.

You also don't say what your plans are. A personal page? Many pages? A corporate site? You could build a house with only a hammer and hand saw, but you wouldn't want to build a sub-division that way.

First of all, no matter what you use to create web pages, you will be better

off if you understand it. A good book you can hold in your lap while you work on screen is a great aide at first. You can't remember all the tags and

uses at first.

You can build a webpage in a text editor. Notepad is a terrible text editor,

though. There are many better available as shareware or freeware. I like one

(I have tried a few, but far from all) called Textpad.

<http://www.textpad.com/>

It has a number of improvements over Notepad, but the most important one I know is the file size limit isn't there.

WYSIWYG HTML editors are marketed by telling people they don't need to know HTML. Baloney. Most of them, including Front Page and Composer, make lousy HTML. Frankly, the only WYSIWYG editor I've ever liked is AOL Press. It's free: <http://www.aolpress.com>

There are many HTML editors that let you work on the page at the HTML text level, but offer features that a simple text editor doesn't. This really

speeds up the process. Saves having to save the page and view it in your



browser to see what you've done.

Some of the things they add are: tag selection from a menu or list; tag completion or hints; tag color-coding; automatic formatting or indenting for clarity; drag and drop links or image insertion from a directory, and on and on.

I tried a few different programs a few years ago when I was starting but they have all evolved. My favorite has been HomeSite by the Allaire Co. <http://www.allaire.com> This is a professional quality product, but is still

priced under \$100 for the full version. The latest versions offer a WYSIWYG-style editing screen along with the normal text-based editor and the built-in preview. It also will work either from a file, a group of files called a project, or over the network. FTP is built in, so you don't need a FTP client. It supports many new web technologies - HTML 4.0, CSS, SSI, Cold Fusion, JavaScript and JScript, etc. It also has a built-in validator, style sheet editor and link checker.

Validation is an important topic. How do you know if the page you just made is any good? Will it work on another browser? Just because it shows up okay on yours, doesn't mean it's all right. A validator will check your HTML against the standards set for HTML and point out any mistakes you might have made. (And you will make many!) There are web-based validators, as well as stand alone programs. I suggest you try one. It's an instant critique of the HTML you wrote and will help the learning process. A

validator is built into Home Site.

There are many good resources on the WWW on learning HTML. One I've found useful in the past is the HTML Writers Guild <http://www.hwg.org> They have many resources on the web as well as a bunch of e-mail lists (including one for beginners) that you can ask questions and receive good answers on. The lists are moderated, so the signal to noise ratio is good. They will try to get you to pay to join, but there is a free, non-professional member level. The advice you get there is usually right on the money and can be trusted, unlike some WWW sites.

I have a number of web pages I have written (and maintain - you are never really done writing them!) and have been at it since at least '95. ( I can't

remember exactly) That's forever in Internet years! I even considered doing it professionally at one time, but haven't done so. I hope my experience is of some help, or at least steers you in the right direction!

=====  
The amazing thing about QRP is not how many contacts are made, but that they are made at all. Every QSO is a contradiction of conventional wisdom.

72,

Al Gritzmacher, AE2T

QRP-L #1664 QRP-ARCI #9837 K2 #274

ae2t@arrl.net

<http://members.localnet.com/~ae2t/>

QRP - If you don't try, you'll never know!

-----  
Date: Thu, 10 Feb 2000 16:30:22 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [62731] FS: DDS VFO's  
Message-ID: <200002102110.QAA18970@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Hi Gang,

I still have 10 of the little 9835 DDS VFO's available. New low price of \$50.00 post paid until they are gone.

These VFO's are designed to easily up-grade many common QRP rigs to DDS tuning, or build your own rig around. New "Signal Generator" mode allows tuning down to 1 Hz.

These are built and tested, on a 2" x 1.6" board. Knob tuned, Freq range 100 Khz to 9.5 Mhz, user programmable for actual tuning range needed for your rig. (requires freq counter for set up) Has RIT, built in 10-40 wpm keyer and sidetone, A/B freq memo. User programmable 4 led dial for coarse freq readout. Requires about 30 ma at 8-14 volts.

Please contact me if you have any questions or would like to order one. Thanks.

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Thu, 10 Feb 2000 13:06:52 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Mike Gipe <mgipe@reliablemeters.com>, Low Power Amateur Radio Discussion <qrp-  
l@Lehigh.EDU>  
Subject: [62732] Re: SOC  
Message-ID: <38A3286C.E920941@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Cool. I'm SOC#63, just 10 dB down from "73"

--  
-72/Ed WE6W; A-1 OP SOC#63 QRP-L#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 Old NC#2227

-----  
Date: Thu, 10 Feb 2000 16:21:40 EST  
From: K2UD@aol.com  
To: rwhite@netins.net  
Cc: qrp-l@lehigh.edu  
Subject: [62733] Re: Toroid "glue" question  
Message-ID: <96.ec4ea0.25d485e4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

This comes up fairly often! I use Duro 5-minute epoxy to cover and protect the windings. It will become rock hard after a few hours if mixed properly (1 to 1, hard to screw up), so test the circuit well before you "pot" the toroid. It's hard to undo.

I have found no difference in performance of toroids after potting them with 5-minute epoxy. Nice!

GL es 72

Howard Kraus, K2UD

-----  
Date: Thu, 10 Feb 2000 16:31:33 -0500 (EST)  
From: Chris Cartwright Sr <ccart@phideaux.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [62734] SOC  
Message-ID: <Pine.LNX.4.04.10002101627130.22149-1000000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hmmm... I think we might get a lot of attention during a marathon with CQ SOC. If I heard a bunch of dididit dadadah somethings, I know I'd be expecting another dididit on the end :) Any chance of using CD SC0? Those UNIX folks amongst us should like that one... 72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Thu, 10 Feb 2000 15:33:09 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [62735] FOC/SOC  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E73@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hey, where is my SOC number?

I want one too!

Hal

-----  
Date: Thu, 10 Feb 2000 13:41:36 PST  
From: "Doug Hendricks" <ki6ds@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [62736] Help: Computer Fan Bearing Repair?  
Message-ID: <20000210214136.24606.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys, forgive me if I am wrong on this, but I seem to recall that a couple of weeks or so ago there was a message on here on how to fix a noisy cpu chip fan? Can someone point me to the date the message was on? Thanks,  
Doug

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Thu, 10 Feb 2000 13:50:10 -0800  
From: Dave Barrett <DBarrett@creo.com>  
To: "'K2UD@aol.com'" <K2UD@aol.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62737] OT Toroid "glue" question  
Message-ID: <BFEEFC3386986D2119C0800A0C99B5DE60118724E@msgcreo3.creo.bc.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I use 5 min epoxy too, and have never had any problems but also have never done any quantitative measurements either.....interested in comments about 5 min epoxy off line.....please

Dave

-----Original Message-----

From: K2UD@aol.com [mailto:K2UD@aol.com]  
Sent: Thursday, 10 February, 2000 1:22 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Toroid "glue" question

This comes up fairly often! I use Duro 5-minute epoxy to cover and protect the windings. It will become rock hard after a few hours if mixed properly (1 to 1, hard to screw up), so test the circuit well before you "pot" the toroid. It's hard to undo.

I have found no difference in performance of toroids after potting them with

5-minute epoxy. Nice!

GL es 72

Howard Kraus, K2UD

-----  
Date: Thu, 10 Feb 2000 16:56:26 -0500 (EST)

From: Bob Patten <n4bp@bc.seflin.org>  
To: Ed Loranger <we6w@qsl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [62738] Re: SOC  
Message-ID: <Pine.3.89.10002101640.J7510-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 10 Feb 2000, Ed Loranger wrote:

>  
> Cool. I'm SOC#63, just 10 dB down from "73"  
>  
Just gave out #67. Wonder who will be 72/73...  
This is like being the tenth caller to the radio station. Guess I better  
refuse to reserve any numbers at this point. :-)

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: 10 Feb 00 21:57:53 America/Fort\_Wayne  
From: M Goins <mgoins@usa.net>  
To: qrp-1@Lehigh.EDU  
Subject: [62739] looking for headphone information  
Message-ID: <20000210215753.7775.qmail@awcst094.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

I am trying to locate information on a type of headphone that has stethys=  
cope  
type earpieces and terminate into a 1/4 inch phono plug. Don't know what =  
they  
were used for originally but they are marked Superex Model 601 on the fro=  
nt  
and dynamic earphone Japan on the opposite side. =

Any help would be appreciated. I am trying to determine the impedance of =

the  
phones and can't seem to locate Superex company. =

thanks for tyhe space.

-mike  
wb5yjx

-----  
Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

-----  
Date: Thu, 10 Feb 2000 15:48:54 -0600  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <ki6ds@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [62740] Re: Help: Computer Fan Bearing Repair?  
Message-ID: <000301bf7411\$8be88240\$069b66a6@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

First thing you have to do is remove the countersunk screws!!!  
I am like Dave, AD6A, I crack myself up!!  
73 de w5jay..

>  
> Guys, forgive me if I am wrong on this, but I seem to recall that a couple  
> of weeks or so ago there was a message on here on how to fix a noisy cpu  
> chip fan? Can someone point me to the date the message was on? Thanks,  
> Doug  
>

-----  
Date: Thu, 10 Feb 2000 14:09:05 -0800  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: EleCraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>  
Subject: [62741] Elecraft at Radiofest Monterey CA on 2/19  
Message-ID: <38A33701.893108EB@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a quick note to let you know Wayne, Scott and I will be at

RadioFest 2000 in Monterey, CA the weekend after next (Feb 19th.) We look forward to meeting fellow QRP fanatics.

You can get additional info on this hamfest at:  
<http://www.k6ly.org/radiofest/>

73, Eric

--

<http://www.elecrafter.com>

-----  
Date: Thu, 10 Feb 2000 15:18:54 -0700  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-l@lehigh.edu, cqclist@cqc.org  
Subject: [62742] Fox notice for tonight!  
Message-ID: <200002102218.PAA12255@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

I'll be putting on my fox costume shortly and will poke my head out of the den at 0200Z sharp! (That's tonight, Thursday)

Look for me around 7.04Z, and please spread out a bit, and call once, bla-bla- bla usual stuff. It's a good idea not to call zero-beat with me because typically I will pick a hound or two and be halfway through the exchange before the rest of you have stopped calling. If my calling frequency is clear then everybody has a better shot at hearing me.

My exchange will probably be sent very quickly, and it will be "rst C0 ET 153 call BK" with ET being my nom de key and call being the callsign of the station I'm working. I may also try to address two or three stations at a time, so please listen! For example, I may get an exchange from W0HEP and send "QSL TU ES ABOCD GA BK"

Equipment will be an OHR500 running 5W to a GAP Titan vertical, switching to a 40M doublet from time to time.

Good luck, and I look forward to handing you a pelt in a couple hours!

Marshall Emm, N1FN  
Milestone Technologies, Inc.  
(303) 752-3382  
<http://www.mtechnologies.com>



-----  
Date: Thu, 10 Feb 2000 17:21:34 -0500  
From: "J. Ervin Bates" <w8erv@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [62743] QRP Banquet Info, please  
Message-ID: <017701bf7415\$310f8860\$414c1d3f@win98>

Anyone got the poo on the banquet yet? I need two tix and will be happy to send \$\$\$ to whoever is organizing it this year. Is it Scott?

72,  
Erv W8ERV

-----  
Date: Thu, 10 Feb 2000 17:32:49 EST  
From: Kw4cz@aol.com  
To: qrp-1@lehigh.edu  
Cc: mkrotz@qrz.com  
Subject: [62744] QRZ.Com web page  
Message-ID: <ab.aa7840.25d49691@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Gang,

I can only say GOOD things about QRZ. Com web page! After a total nightmare of problems switching over to my new e-mail address and trying to update the bio for my call on this web page... the QRZ editor (Mark) took the bull by the horns and got everything up and running as it should be.  
I was really going crazy trying to "make it work" on my own... DON'T TRY THIS AT HOME !  
Thanks Mark! You're THE MAN !

73,  
Gordon Saunders kw4cz

-----  
Date: Thu, 10 Feb 2000 14:45:10 -0800  
From: Radman <radman@best.com>  
To: "'Doug Hendricks'" <ki6ds@hotmail.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [62745] RE: Help: Computer Fan Bearing Repair?  
Message-ID: <01BF73D5.75EC1E20@radman.vip.best.com>

Doug,

Here's my solution to "howling" CPU chip coolers ;)

- 1.) First remove all related countersunk flat head screws - as noted by other careful readers ;)
- 2.) Drive to Fry's Electronics (Aisle A-11).
- 3.) You'll find two compelling solutions:

- a.) A 16 oz can of "Dust-Off" to blow all the cat hair out of your noisy CPU fan bearings... price: \$9.95.
- b.) A brand new Pentium heat/sink, w/ sealed ball-bearing cooling fan... price: \$9.95.

Cautionary note: if you go with "Dust-Off," \*don't\* blast the CPU itself with cold CO2 or Nitrogen gas... you can damage the chip with a really cold blast! Take the fan/sink combo OFF the chip to fiddle with it.

My vote is "b - replace the sink/fan." Yes, that's my final answer, Reggis! Stay cool, man ;)!

73,

Conrad - NN6CW

\*\*\*\*\*-----

I seem to recall that a couple of weeks or so ago there was a message on here on how to fix a noisy cpu chip fan?

//snip///

-----

Date: Thu, 10 Feb 2000 18:07:34 -0500  
From: "Steve Hanson" <ke1lg@qsilver.net>  
To: <qrp-1@lehigh.edu>  
Subject: [62746] Need TT 276 Calibrator/670 Keyer...  
Message-ID: <002301bf741b\$9daa83c0\$8195e3d8@mint.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Recently aquired Ten-Tec Century 21. Does anyone have a TT 276 Calibrator or 670 Keyer they want to part with?

Steve KE1LG  
ke1lg@qsilver.net

Monitor 1.810 in Northeast most every evening. Listen fer my 5 watts out.

-----  
Date: Thu, 10 Feb 2000 15:18:27 -0800  
From: Russ Carpenter <russ@natworld.com>  
To: QRP-L List <qrp-l@lehigh.edu>  
Subject: [62747] Results of the FEBRUARY SPARTAN SPRINT  
Message-ID: <B4C88741.2F17%russ@natworld.com>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

The February Spartan Sprint was stimulating. Participation was excellent, and scores returned to impressive levels. When you can contact 40 or 50 stations in a two hour span of easy-going contesting, you've found contest heaven. We're seeing fewer of the one pound, single band stations, and more of the 5 to 6 pound multiband stations. No doubt, the impact of the K-2.

If you didn't tell us the weight of your station, or if it weighed more than Charles Atlas, we assigned a weight of 30 pounds. Each contact received one point. To make the tables line up correctly, be sure to use a monospaced font.

The Soapbox was published separately in the February issue of The ARS Sojourner, which went live today. Don't miss it! Just hop on over to <http://www.natworld.com/ars>.

THE SKINNY DIVISION (sorted in order of points per pound)

| Call   | Name | 80m | 40m | 20m | 15m | 10m | Total<br>Qs | Wt.  | Qs/<br>Pound |
|--------|------|-----|-----|-----|-----|-----|-------------|------|--------------|
| KB9UUY | Mark | 0   | 17  | 0   | 0   | 0   | 17          | 1.7  | 10.00        |
| K5LN   | Bill | 0   | 0   | 32  | 0   | 0   | 32          | 3.75 | 8.53         |

|          |           |   |     |    |   |   |    |      |      |
|----------|-----------|---|-----|----|---|---|----|------|------|
| K1QM     | Joel      | 0 | 21  | 3  | 0 | 0 | 24 | 3    | 8.00 |
| WE6W     | Ed        | 0 | 34  | 10 | 0 | 0 | 44 | 6    | 7.33 |
| KH6B     | Dean      | 0 | 0   | 37 | 0 | 0 | 37 | 6    | 6.17 |
| W5TB     | Doc       | 0 | 24  | 9  | 0 | 0 | 33 | 5.5  | 6.00 |
| W3BB0    | Bob       | 5 | 23  | 7  | 0 | 0 | 35 | 6    | 5.83 |
| KI0II    | Ron       | 2 | 19  | 14 | 0 | 0 | 35 | 6.1  | 5.74 |
| AA7QU    | Russ      | 0 | 11  | 18 | 0 | 0 | 29 | 5.5  | 5.27 |
| AC3A     | Scott     | 0 | 13  | 0  | 0 | 0 | 13 | 2.5  | 5.20 |
| N5IB     | Jim       | 0 | 9   | 0  | 0 | 0 | 9  | 2.1  | 4.29 |
| KQ6NO    | Rick      | 0 | 5   | 0  | 0 | 0 | 5  | 1.6  | 3.13 |
| N0IBT    | Dave      | 0 | 9   | 10 | 0 | 0 | 19 | 6.5  | 2.92 |
| K7UD     | Dee       | 0 | 12  | 0  | 0 | 0 | 12 | 4.6  | 2.61 |
| AA5YX/2  | John      | 0 | 8   | 2  | 0 | 0 | 10 | 4.1  | 2.44 |
| AA9VB    | Jerry     | 0 | 9   | 0  | 0 | 0 | 9  | 3.7  | 2.43 |
| K04WX/6  | Mike      | 0 | 0   | 3  | 0 | 0 | 3  | 1.3  | 2.31 |
| K4AVX    | John      | 0 | 11  | 0  | 0 | 0 | 11 | 5    | 2.20 |
| N3AO     | Craig     | 0 | 4   | 6  | 0 | 0 | 10 | 5    | 2.00 |
| NW7DX    | Ben       | 1 | 18  | 22 | 0 | 0 | 41 | 22   | 1.86 |
| KB9LCK   | Chris     | 0 | 7   | 0  | 0 | 0 | 7  | 4    | 1.75 |
| AF5Z     | Bob       | 0 | 33  | 16 | 0 | 0 | 49 | 30   | 1.63 |
| KI6DS    | Doug      | 0 | 0   | 15 | 0 | 0 | 15 | 10   | 1.50 |
| NC90     | Skip      | 0 | 7   | 0  | 0 | 0 | 7  | 6    | 1.17 |
| K2PQ     | Frank     | 0 | 6   | 0  | 0 | 0 | 6  | 6    | 1.00 |
| AA8IV    | Rich      | 2 | 0   | 0  | 0 | 0 | 2  | 2.3  | 0.87 |
| W7SNV    | Al        | 0 | 3   | 0  | 0 | 0 | 3  | 3.7  | 0.81 |
| K2Q0     | Mark      | 0 | 012 | 4  | 0 | 0 | 16 | 30   | 0.53 |
| AL7FS    | Jim       | 0 | 16  | 0  | 0 | 0 | 16 | 30   | 0.53 |
| KX8LL    | John      | 0 | 4   | 0  | 0 | 0 | 4  | 10.5 | 0.38 |
| AA8SN    | Hope      | 0 | 10  | 0  | 0 | 0 | 10 | 30   | 0.33 |
| N5WL     | Bart      | 0 | 8   | 0  | 0 | 0 | 8  | 30   | 0.27 |
| W4NJK    | Charlie   | 0 | 1   | 7  | 0 | 0 | 8  | 30   | 0.27 |
| K04PY    | Brent     | 0 | 7   | 0  | 0 | 0 | 7  | 30   | 0.23 |
| WA8GHZ/5 | Jack      | 0 | 6   | 0  | 0 | 0 | 6  | 30   | 0.20 |
| W9SUL    | Dave      | 0 | 4   | 0  | 0 | 0 | 4  | 30   | 0.13 |
| WF6D     | William   | 0 | 2   | 1  | 0 | 0 | 3  | 30   | 0.10 |
| C02VV    | Francisco | 0 | 1   | 0  | 0 | 0 | 1  | 30   | 0.03 |

#### THE TUBBY DIVISION

| Call  | Name | 80m | 40m | 20m | 15m | 10m | Total<br>Qs |
|-------|------|-----|-----|-----|-----|-----|-------------|
| AF5Z  | Bob  | 0   | 33  | 16  | 0   | 0   | 49          |
| WE6W  | Ed   | 0   | 34  | 10  | 0   | 0   | 44          |
| NW7DX | Ben  | 1   | 18  | 22  | 0   | 0   | 41          |
| KH6B  | Dean | 0   | 0   | 37  | 0   | 0   | 37          |
| KI0II | Ron  | 2   | 19  | 14  | 0   | 0   | 35          |
| W3BB0 | Bob  | 5   | 23  | 7   | 0   | 0   | 35          |

|          |           |   |     |    |   |   |    |
|----------|-----------|---|-----|----|---|---|----|
| W5TB     | Doc       | 0 | 24  | 9  | 0 | 0 | 33 |
| K5LN     | Bill      | 0 | 0   | 32 | 0 | 0 | 32 |
| AA7QU    | Russ      | 0 | 11  | 18 | 0 | 0 | 29 |
| K1QM     | Joel      | 0 | 21  | 3  | 0 | 0 | 24 |
| N0IBT    | Dave      | 0 | 9   | 10 | 0 | 0 | 19 |
| KB9UUY   | Mark      | 0 | 17  | 0  | 0 | 0 | 17 |
| K2QO     | Mark      | 0 | 012 | 4  | 0 | 0 | 16 |
| AL7FS    | Jim       | 0 | 16  | 0  | 0 | 0 | 16 |
| KI6DS    | Doug      | 0 | 0   | 15 | 0 | 0 | 15 |
| AC3A     | Scott     | 0 | 13  | 0  | 0 | 0 | 13 |
| K7UD     | Dee       | 0 | 12  | 0  | 0 | 0 | 12 |
| K4AVX    | John      | 0 | 11  | 0  | 0 | 0 | 11 |
| AA8SN    | Hope      | 0 | 10  | 0  | 0 | 0 | 10 |
| AA5YX/2  | John      | 0 | 8   | 2  | 0 | 0 | 10 |
| N3AO     | Craig     | 0 | 4   | 6  | 0 | 0 | 10 |
| N5IB     | Jim       | 0 | 9   | 0  | 0 | 0 | 9  |
| AA9VB    | Jerry     | 0 | 9   | 0  | 0 | 0 | 9  |
| N5WL     | Bart      | 0 | 8   | 0  | 0 | 0 | 8  |
| W4NJK    | Charlie   | 0 | 1   | 7  | 0 | 0 | 8  |
| KB9LCK   | Chris     | 0 | 7   | 0  | 0 | 0 | 7  |
| K04PY    | Brent     | 0 | 7   | 0  | 0 | 0 | 7  |
| NC9O     | Skip      | 0 | 7   | 0  | 0 | 0 | 7  |
| K2PQ     | Frank     | 0 | 6   | 0  | 0 | 0 | 6  |
| WA8GHZ/5 | Jack      | 0 | 6   | 0  | 0 | 0 | 6  |
| KQ6NO    | Rick      | 0 | 5   | 0  | 0 | 0 | 5  |
| W9SUL    | Dave      | 0 | 4   | 0  | 0 | 0 | 4  |
| KX8LL    | John      | 0 | 4   | 0  | 0 | 0 | 4  |
| W7SNV    | Al        | 0 | 3   | 0  | 0 | 0 | 3  |
| K04WX/6  | Mike      | 0 | 0   | 3  | 0 | 0 | 3  |
| WF6D     | William   | 0 | 2   | 1  | 0 | 0 | 3  |
| AA8IV    | Rich      | 2 | 0   | 0  | 0 | 0 | 2  |
| C02VV    | Francisco | 0 | 1   | 0  | 0 | 0 | 1  |

THE SPECIAL ACHIEVEMENT AWARD goes to Mike, K04WX/6, who worked Hawaii and Alaska with one watt and a wire tossed out of a hotel window.

Thanks for your participation and support of Adventure Radio Society!

Russ Carpenter, AA7QU

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Date: Thu, 10 Feb 2000 18:21:03 EST  
 From: n5ib@juno.com  
 To: qrp-l@Lehigh.edu  
 Subject: [62748] COMPUTER: only quasi QRP question  
 Message-ID: <20000210.171438.7895.0.N5IB@juno.com>

I'm trying to record a "Sounds of Ham Radio" CD for use at school/club presentations. I've recorded some ssb, some cw (part of a fox hunt!), some digital modes, net operation, satellite downlink signals, getting some moonbounce later, etc.

The taped audio was then recorded through a sound card using CoolEdit at 44,000 samples per sec, 16 bit, monaural, as .wav files. The .wav files play back fine. Then tried to burn a CD using Easy-CD Pro under Win95 with an HP CD burner, 1X write speed, disk at once mode.

The problem:

The audio recorded on the CD plays back at 2x normal speed. At the beginning of the session the timing is shown as (for example) 10 min, but the actual duration of the recorded track (as shown on an audio CD player) is just 5 min. I can't seem to find any settings re preferences that I've missed.

Any gurus out there able to clue me in how these new-fangled things work??

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 10 Feb 2000 18:22:02 -0500

From: Hank Kohl K8DD <k8dd@arrl.net>

To: w8erv@email.msn.com

Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [62749] Re: QRP Banquet Info, please

Message-ID: <4.1.20000210181941.00b68140@192.0.0.6>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 05:21 PM 10-02-00 -0500, J. Ervin Bates wrote:

>Anyone got the poo on the banquet yet? I need two tix and will be happy

>to

>send \$\$\$ to whoever is organizing it this year. Is it Scott?

>

>72,

>Erv W8ERV

>

>

>

<http://www.qrparci.org/fdim64.html> says it better than I ever could!

73 Hank K8DD

-----  
Date: Thu, 10 Feb 2000 17:40:12 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [62750] FYBO log  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E79@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Who gets the FYBO logs?

Hal

-----  
Date: Thu, 10 Feb 2000 17:48:00 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [62751] SOC  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E7B@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

All,

I just got SOC# 7.....

Can I use a lifeline Bob?.....0

Is that your final answer Bob?

Hal

-----  
Date: Thu, 10 Feb 2000 17:58:20 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [62752] Ferrite Cores  
Message-ID: <0974781F4FC8D211A24600902727E806011B1E7D@saturn.rose.cc.ok.us>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

All,

TDK, a competitor of Amidon is just down the road from me. If I can be of service to anyone, let me know.

Hal

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End of QRP-L Digest 1727

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